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APRIL 28, 1928.

Vol. CVIII.



A Sure Summer Seller

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(Free from Sugar)

Crisp, dry granules, easy to manipulate and which dissolve readily in water, forming a sparkling effervescence of long duration. It is free from sugar and therefore specially suited to diabetics and others on a restricted carbohydrate dietary

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Bethnal Green - - LONDON, E.2



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Compact Eyelid Colouring



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WESTHOUGHTON,
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The record number of repeat orders for ~~June~~ Shampoo received during the past few days is a sure indication that the public have been quick to appreciate its *outstanding merit*.

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2/3 "	18/- "

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TRAGACANTH

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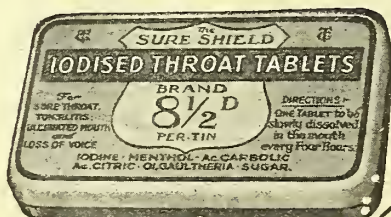
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108/- per gross

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„ No. 2— 6 „ @ 18/- „ „ „ 5% „ „ 6 „

„ No. 3—12 „ @ 18/- „ „ „ 10% „ „ 12 „

All orders under 3 dozen will be for execution through your Wholesaler at 18/- per dozen.

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DAYS HAVE GONE.
HAVE YOU TAKEN ADVANTAGE
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NEW MIX DEMONSTRATION TO DAY

You mix it fresh on the brush

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“THE GLEAM OF YOUTH ON EVERY TOOTH”

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Maw's



Page

Sun Goggles— for the Summer Season

During the last few years the sale of sun goggles has enormously increased. Not only motorists, but enthusiasts in many branches of sport and a large percentage of seaside holiday makers now use them. The pharmacist who fails to stock and display goggles is neglecting an important and profitable opportunity for business.

Maw's have made a point of supplying a range of goggles of reliable quality at competitive prices. Further, we supply an attractive display card which helps the pharmacist to keep goggles before his customers and to increase his sales.

B.7/21.	With feiuзал tinted lenses.	} Per dozen
B.7/22.	„ amber „ „	
B.7/23.	„ smoke „ „	
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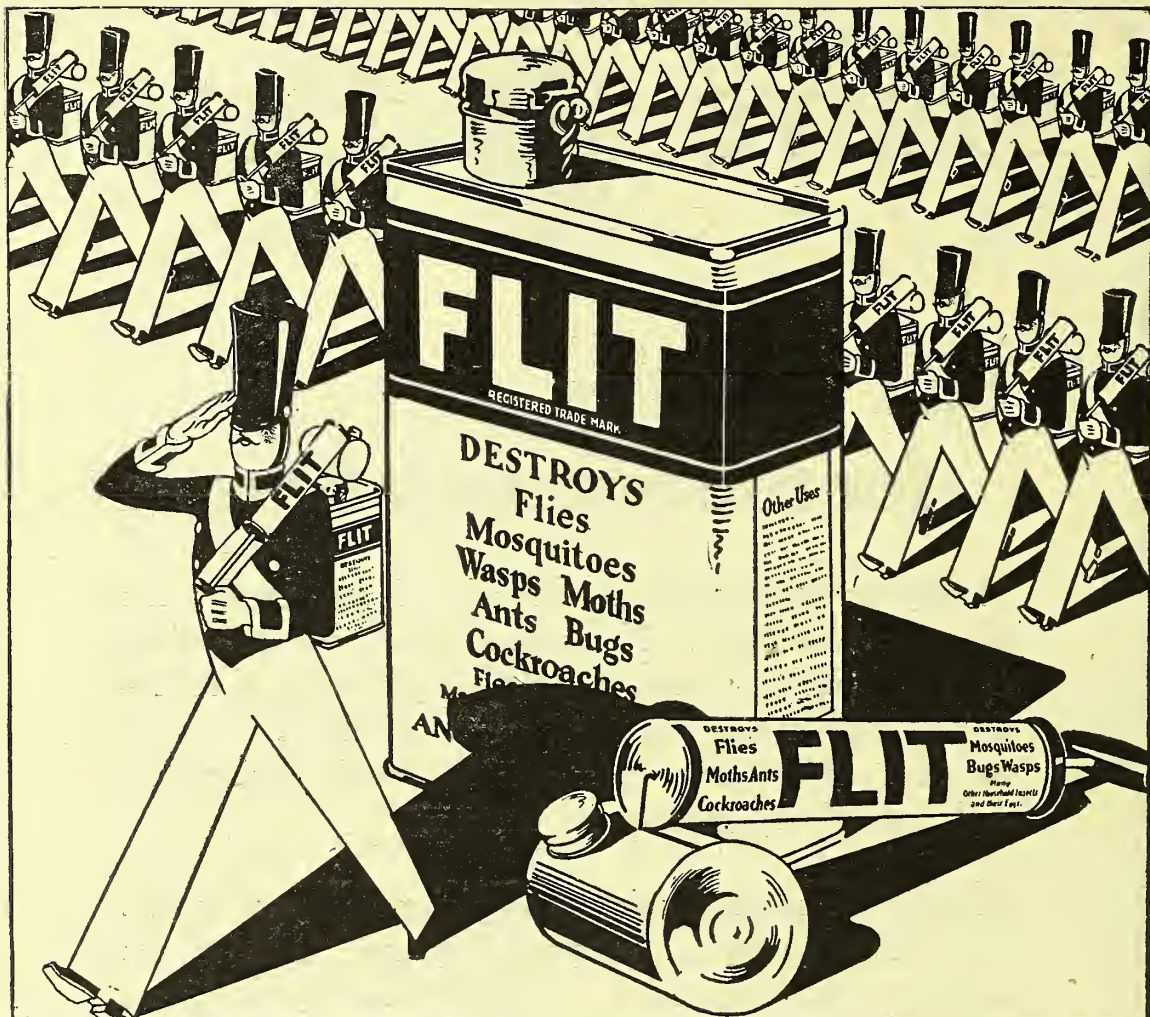
Special Discounts for quantities :—

3 dozen pairs	-	-	5%
6 „ „	-	-	7½%

Card cases for above, pull-off pattern, per dozen 2/-

S. Maw, Son & Sons, Ltd.,
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	List per doz.	Retail Selling Price.
8-oz. tins with free mouth sprayer	17/-	2/-
16-oz. tins	25/6	3/-
Combination set (16-oz. tin and FLIT hand-sprayer)	42/-	5/-
32-oz. tins	42/-	5/-
128-oz. tins	143/-	17/-
FLIT hand-sprayers	19/-	2/3
Special FLIT continuous sprayers	45/-	5/6

Write for Special FREE GOODS OFFERS
for Window Displays.

FLIT

REGISTERED TRADE MARK

DESTROYS

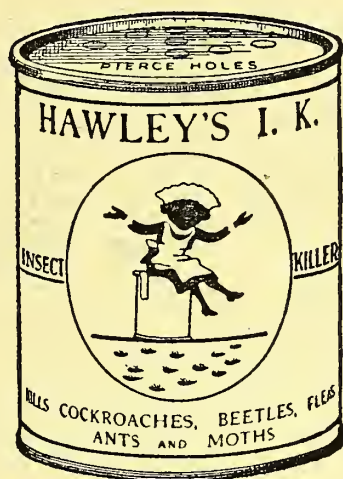
Flies Mosquitoes Moths Midges
Ants Wasps Bugs Fleas Cockroaches

Distributors—

ANGLO-AMERICAN OIL CO., LTD., Albert Street, Camden Town, N.W.1.

Telephone: HAMPSTEAD 8066.

Telegrams: "Nufinjol, Norwest, London."



HAWLEY'S I.K.

The Safe and Sure Insecticide

Non-poisonous.

Clean in use.

Kills Beetles, Cockroaches, Ants, Moths, Flies, and Fleas.

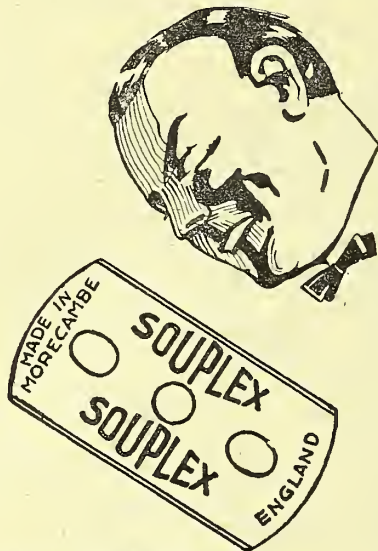
A £5 order secures 5% discount and also a Bonus of 13 to the dozen, which shows you a

PROFIT of OVER 70%

A generous supply of Show Material.

Evans

EVANS SONS LESCHER & WEBB, LTD.
LIVERPOOL & LONDON



SOUPLEX

SAFETY RAZOR BLADES

require no selling, merely stock them to supply the widespread demand which SOUPLEX Quality and Price have created.

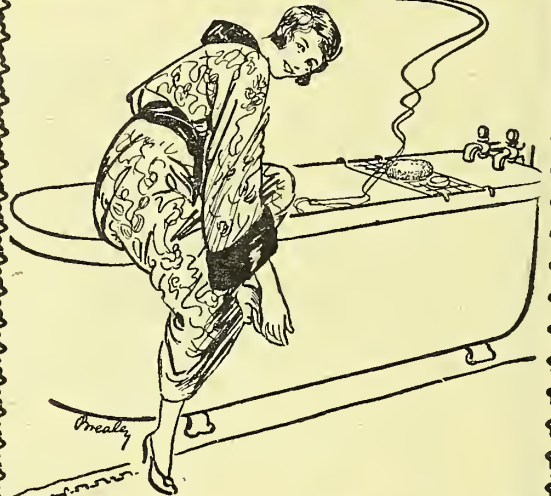
First-class quality at low price—that's SOUPLEX, the popular razor blade.

Make sure of obtaining your share of the big business which is coming, by placing an order for SOUPLEX to-day with your usual wholesaler.

5 for 1/3 (Profit 5d.)
10 for 2/6 (Profit 10d.)

ORDER NOW

SOUPLEX LTD.
MORECAMBE



Every Bathroom needs a Sorbo

EVERY man, woman and child in every family either uses a Sorbo Sponge, or needs one.

This splendid line of Rubber Sponges is finding its way into fresh homes daily, and every new Sorbo customer means extra turnover and bigger profits for you.

It is British in manufacture, and unequalled in quality. It improves with soaping, and it never gets slimy. That's why it is so popular with every member of the family, from Baby upwards!

SorboSponge

THE MOST ABSORBENT RUBBER-SPONGE

Order now from your Wholesaler.
If any difficulty, write us. Price List
and Trade Terms on application.

SORBO RUBBER-SPONGE PRODUCTS, LTD.
Sorbo Works, Woking, Surrey.
Telegrams: "Sorbo, Woking." Telephone: Woking 966 (2 lines)

AYRTON'S CREMORS AND OINTMENTS

have been brought to perfection by the adoption of modern centrifugal mixing and spinning, governed by manufacturing processes which are exclusive to ourselves.

The resulting evenness, smoothness and uniformity of ingredient, places an Ayrton Ointment in a class all its own.

Ayrton's offer up to 100 varieties of Ointments and a full range of Cremors, including the famous Cremor Antisepticum.

Samples offered free on request, and prices quoted for your quantity.

Enquiries for special formulæ are welcomed.

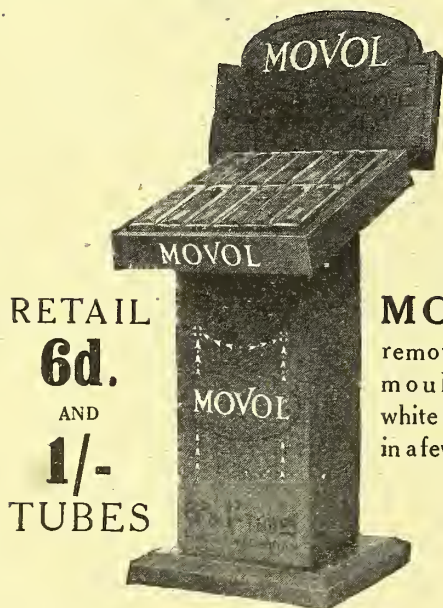
AYRTON SAUNDERS & CO., Ltd.
LIVERPOOL.

YOU WILL SELL

MOVOL

The Iron-Mould Remover

BY USING THIS ATTRACTIVE OAK DISPLAY



Display containing 3 dozen 6d. size	s. d.
(13 to the dozen) 1 dozen 1s. size	13 0
Oak Display free	8 8
Cost	21 8

Selling Price.	Carriage Free.	Nett Profit
3 dozen 6d. size	s. d.	
3 tubes free	18 0	
1 dozen 1s. size	1 6	
1 tube free	12 0	
	1 0	
Selling Price	32 6	10/10

50% PROFIT ON OUTLAY.

IT PAYS YOU TO SELL MOVOL.

Order from your Wholesale Chemist or direct from

EDGES - - - - - BOLTON.

London Address : Ewing House, 73/4 Chiswell St., E.C.1

DO YOU KNOW

that your Advertisement goes straight into more than 250,000 homes when you advertise in the

CHRISTIAN HERALD

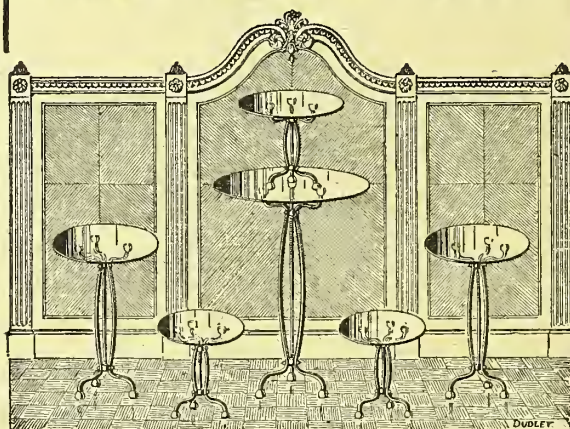
representing more or less than a million readers, and for years many well-known Advertisers have proved from "keyed" announcements its value as an advertising medium. Obviously it is the paper for your advertisement.

Specimen copy and Rate Card on application to Advertising Manager

CHRISTIAN HERALD

6 TUDOR STREET, LONDON, E.C.4

A Charming Display Set for a Chemist's Window



THE "REGENT" DISPLAY SET.

No. C.D. 2426, consisting of Six Medium Weight Brown Bronze Tripods—one 9" high, two 12" high, two 18" high, and one 24" high. Six 1" glass ovals—one 24" x 18", two 18" x 12", and three 12" x 9".

This complete and delightful set **£3 : 16 : 6**

List No. C.D. 970 of Fittings sent free on request.

DUDLEY & CO., LTD.

558/576 HOLLOWAY ROAD, LONDON, N.7,
and at 65 and 66 FORE STREET, E.C.

"THE CHEMISTS' OWN"



MINERAL SPRING

EFFERVESCENT HEALTH GRANULES

"MINERAL SPRING" is the Chemists' Own Effervescible and is not supplied to the grocery or allied trades. The Chemist who specialises in "Mineral Spring" therefore protects himself against unprofessional competition as far as salines are concerned. Fifty of the new "Mineral Spring" Booklets "Comi-Cartoons of Sport" with your name and address, Showcard and Window Display (while the supply lasts) with orders of 4 dozen.

Retail Price (P.A.T.A.) 1/- and 2/- Trade 8/- and 16/- doz. Reduction on 1st gross.

THOMAS KERFOOT & CO LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
 ESTABLISHED 1797.

C/420

COPYRIGHT

Schimmel & Co.

A.G.

EXTROLS

"Extrols" are of great assistance and importance to Perfumers by combining all the advantages and eliminating all the disadvantages encountered in using Essential Oils and Extracts.

Samples and literature gladly supplied.

Rose	Storax	Mastix	Hyacinth	Mignonette
Violet	Vetiver	Olibanum	Jasmine	Balsam Tolu
Cedar	Labdanum	Opopanax	Ylang-Ylang	Benzoin Siam
Clove	Libanotol	Cassie	Lavender	Orris
Sandalwood E.I.				Patchouly

Sole Distributors for United Kingdom:

Messrs. FREDK. BOEHM, LTD., 17 Jewry Street, LONDON, E.C.3.

Scottish Office: 140 West George Street, GLASGOW.



ALLWOODS' CARNATION PERFUME AND TOILET REQUISITES

*Of
Superlative
Quality*

*Daintily
Packed*

*Liberal
Discount*

Good show matter.
Steady advertising.
Carriage paid.

Produced and
marketed by
the World's
leading growers
of Carnations.

Write for Trade Prices and full information to:—

Allwood Bros

*The Leading
Carnation Raisers
and Specialists
in the World.*

HAYWARDS HEATH, SUSSEX



MAGNUS, MABEE & REYNARD INC.

AMERICAN ESSENTIAL OILS

BAY	SPRUCE
CEDARLEAF	TANSY
CEDARWOOD	ERIGERON
PEPPERMINT	SPEARMINT
PETITGRAIN	WORMSEED

BALSAMS

ADDRESS:

**MAIN SALES OFFICES
32 CLIFF STREET, NEW YORK, U.S.A.**

Sole Selling Agents for the British Isles—
OLD STRAND CHEMICAL & DRUG CO., Ltd.
41 Great Tower St. (22 Beer Lane), LONDON, E.C.3
Telephone: Royal 8737 (2 lines).

LIME OIL

(W.I. Distilled.)

Finest quality at favourable prices

Write:

White, Tomkins & Courage, Ltd.
North Albert Works, Reigate, Surrey.

*Lemon Oil : Orange Oil : Bergamot Oil :
 Mint Oils : Buchu Oil : C.16 Aldehyde*



Chemical Works "Flora"
 DUBENDORF, ZURICH - SWITZERLAND

Manufacturers of

**SYNTHETIC & AROMATIC
 CHEMICALS**

**SAMPLES ON and
 APPLICATION.**

CHLOROPHYLL
 OIL AND SPIRIT - - SOLUBLE.

**STOCKS HELD
 IN LONDON.**

Samples and particulars from—

CHAS. ZIMMERMANN & CO. (Chemicals), LTD.
 St. Mary-at-Hill, London, E.C.3

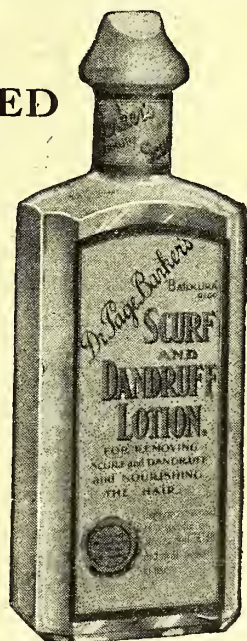
**Every Bottle is
 GUARANTEED**

EVERY bottle of Dr. Page-Barker's Scurf Lotion bears a positive guarantee that it will eradicate scurf or the purchase price will be refunded. This makes it the easiest to sell of all hair and scalp specifics. And the profit is handsome.

18/- per Doz.

Retail - 2/6

With every order for 3 dozen you get three 2/6 bottles as bonus, handsome metal show-stand, and attractive showcards.



**Dr. Page-Barker's
 Scurf Lotion**

Thos. CHRISTY & CO., 4-12 Old Swan Lane, LONDON, E.C.4.



Shingled Heads Need More Shampoos

Here is a range of Shampoo Powders—showing you an unusual profit—made by a firm that specialises in scientifically compounded preparations for the hair. These Shampoos have been used for years in a Bond Street Hairdressing Salon, yet they retail at little more than half the usual price for a good shampoo.

Shampoo Powders are a profitable and quick-selling line now that shingled heads are in the majority, for shingled hair needs regular and frequent washing to keep it in condition. And these Shampoos are so exceptionally good and reliable that customers come back for them again and again. They bring you both profit and goodwill.

	Retail Price	Net Wholesale Price
Stewart's Hairtone Shampoo Powder..	3d. each or 1/6 for 7 sachets	12/- per dozen boxes of 7
Free from excess of alkali for any kind of hair.		
Stewart's Goldentone Shampoo Powder..	4d. each or 2/- for 7 sachets	14/- per dozen boxes of 7
A Camomile preparation for blonde hair which brightens and beautifies.		
Stewart's Silvertone Shampoo Powder..	4d. each or 2/- for 7 sachets	14/- per dozen boxes of 7
Specially prepared to keep grey hair from going yellow.		
Stewart's Hennatone Shampoo Powder..	4d. each or 2/- for 7 sachets	14/- per dozen boxes of 7
For brown hair—gives richness of tone.		
Stewart's Pinetone Shampoo Powder..	4d. each or 2/- for 7 sachets	14/- per dozen boxes of 7
Medicated and antiseptic for impoverished hair.		

MADE BY THE MANUFACTURERS OF

NUCTONE
FOR GREY HAIR

STEWART, GOODALL & DUNLOP, LIMITED,
4 Dering Street, London, W.1.

Obtainable from your usual Wholesalers or direct from

J. C. GAMBLES & CO., LTD.
211/215 BLACKFRIARS ROAD, LONDON, S.E.1.



THE ORIGINAL
:: AND ::
STILL THE BEST

JACKEL'S
CREAM
FOR THE HAIR

SOLD EVERYWHERE.

1/6 PER BOTTLE 2/6

Jackel's Cream has now been over 40 years on the market and enjoys a steady reliable sale. Once a customer buys Jackel's, imitations have no appeal because Jackel's is still the best.

11/6 and 18/- per dozen.
Retailing at 1/6 & 2/6 per bot.

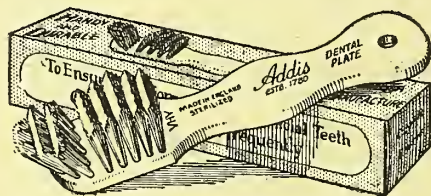
BIG PROFITS ON THE NEW SHAMPOO.

SHOWCARDS AND PARTICULARS FROM
YOUR WHOLESALE HOUSE.

JACKEL et CIE (of Paris) Ltd.
GLASGOW.

Addis
ESTD 1780

**WINGED
DENTAL
PLATE**



**BRUSH WORKS, HERTFORD,
ENGLAND.**

KIRBEE

**RAZOR
BLADES**

5 for 1/-

DOUGLAS KIRBY & CO., Ltd.

9/10 Charing Cross, S.W.1. Telephone: Gerrard 3147, 8063/4/5.

**BETTER BLADES
BIGGER PROFITS**

Kirbee Blades have gained their popularity through British quality and an extremely low price.

Backed by vigorous advertising and sales aids they create their own demand and give you quick and generous profit.

Kirbee Blades are made from the finest Sheffield tempered steel—Gillette pattern.

Write for special trade terms
TO-DAY.



**SUPPLIED
TO
CHEMISTS
ONLY.**

**6OZ TABLETS
RETAIL PRICE—
3^D PER TABLET.**

**30% PROFIT FOR
THE
CHEMIST
ON
SELLING
PRICE.**



**GERARD BROS., LTD.,
THE SOAP WORKS, NOTTINGHAM.**

THE MIDGES ARE COMING
GET THAT TUBE OF
PERONIA
CONCENTRATED LAVENDER
NOW

PERONIA

WE DID BUY A TUBE OF
PERONIA
CONCENTRATED LAVENDER

WE MEANT TO
BUY A TUBE OF
PERONIA
CONCENTRATED LAVENDER

PERONIA CONCENTRATED LAVENDER
A PREVENTATIVE OF ALL MOSQUITO BITES
KEEPS FLIES AWAY

PERONIA CONCENTRATED LAVENDER
A PREVENTATIVE OF ALL MOSQUITO BITES
KEEPS FLIES AWAY

COME IN AND
GET YOUR TUBE
NOW

This Picnic Model
will create a quick sale for
PERONIA CONCENTRATED LAVENDER
(Keeps the midges away.)

**Write for 6 dozen tubes at 8/- per dozen and
the full display will be sent by return.**

THE PERONIA COMPANY, LIMITED,
LONG ROW, NOTTINGHAM.

MERCOLIZED WAX

— : for the Complexion : —

and

STALLAX

— : a Shampoo : —

TWO substantial and well-advertised lines which show a handsome profit to the Retailer, and, moreover, may be stocked fearlessly owing to the Manufacturers' most liberal Sale or Return Guarantee.

Both are obtainable in two sizes, and their reputation and sterling value assure a steady turnover.

Order through your Wholesaler, or direct from:

DEARBORN (1923) LIMITED
37 GRAY'S INN ROAD, LONDON, W.C.1.



Helping you to sell *Atkinsons* "AU REVOIR"

PERFUME, VANISHING CREAM, COMPACT, POWDER, GIFT CASES, ETC.

Atkinsons Au Revoir has caught the modern taste in perfume. Here are some examples of the advertisements in the strong Advertising Campaign with which we are following up its success. They will appear in big National papers like the "Daily Mirror" and "Daily Sketch" and also in important Scottish and Irish Newspapers.

Reap your share of the ever increasing demand for Au Revoir. The one thing you need is an adequate stock of the complete range. *Usual Terms.*

ATKINSONS

Eonia Works, Southwark Park Road, London, S.E.16.

An INTERNATIONAL COMMERCIAL AUTHORITY

IT is generally recognised by all in pharmacy and the drug, chemical and allied trades that the only worth-while business journal for the retailer, the wholesaler, the manufacturer and the exporter is

THE CHEMIST & DRUGGIST

Perhaps, however, the international character of its business influence is not fully realised. So it will be of interest to subscribers and advertisers alike to learn that copies of **THE CHEMIST AND DRUGGIST** are **BY REQUEST** sent regularly to **H.M. Trade Commissioners** at—

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Toronto
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Trinidad

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Winnipeg
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(British Consulate)
Riga, Latvia
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THE CHEMIST & DRUGGIST

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Our Journal is also found a necessary part of the office equipment of **Secretaries of British Chambers of Commerce** at—

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Persian Gulf	Monte Video,
Belgrade,	South America
Yugo-Slavia	Naples
Boulogne-	Nice
sur-Mer	Ottawa
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Cairo, Egypt	Sofia, Bulgaria
Constantinople	Tangier, Morocco
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This striking proof of a world-wide acknowledgment of commercial standing and authority accounts in a great measure for the unassailable position of **THE CHEMIST AND DRUGGIST** as an **ADVERTISING MEDIUM**.

For all particulars regarding available space, special positions, coloured insets, etc., write to—

THE PUBLISHER

THE CHEMIST & DRUGGIST

42 CANNON STREET - - - LONDON, E.C.4

BRANCH OFFICES:—

49 County Buildings, Cannon Street,
MANCHESTER.

19 Waterloo Street,
GLASGOW.

54 Foster's Buildings, High Street,
SHEFFIELD.

And MELBOURNE and SYDNEY, AUSTRALIA.

Demuth's Elegant Preparations



ARE UNIQUE IN THEIR CLASS.

Frozoclone

REGD.

The Original Solid Eau de Cologne.

Ideal for travelling and in the sick room.

IN GREEN GLASS BOTTLES REGD.

Two Sizes : 1s. 10d. and 3s. 6d. P.A.T.A.

Per doz. 16/- Per doz. 32/-

SOLID LAVENDER WATER

A new Production and a worthy Companion to Frozoclone.
IN WEDGWOOD BLUE, FROSTED BOTTLES.

Sizes and Prices as Frozoclone.

HARMOZAN BATH SQUARES

A presentation of Pine Needle Extract in an elegant form, for Home Treatment

Two Sizes : 2/- and 3s. 9d. P.A.T.A.

Per doz. 16/- Per doz. 30/-

CARNATE

The Elegant Nail Polish, waterproof.
IN WHITE PORCELAIN POTS.

1s. 9d. P.A.T.A.

Per doz. 15/-

ANALAX

The Ideal Fruity Laxative in Pastille form.
Palatable. Efficient. Reliable.

2s. 3d. P.A.T.A.

Per doz. 21/- (stamped).

Export 15/- per doz. (unstamped).

RISICCOL

Demuth's Castor Oil Powder.
P.A.T.A.

All other Medicinal Oils in Powder form.

MUTHOL

The Original Paraffinum Liquid B.P. in solid form. In all flavours.
P.A.T.A.

IN REPUTED 1-LB. JARS.

R. Demuth's Laboratories

68 Salusbury Rd. & Montrose Avenue, N.W.6



Giviemme



TOILET PREPARATIONS

Do not fail to see our Range of

PERFUMES, CREAMS, FACE POWDERS

at the

CHEMISTS' EXHIBITION,
Holland Park Hall, LONDON,
MAY 7th to 11th.

SPECIAL

10%

DISCOUNT

on all orders during

EXHIBITION

F. D. Giviemme

MILANO.

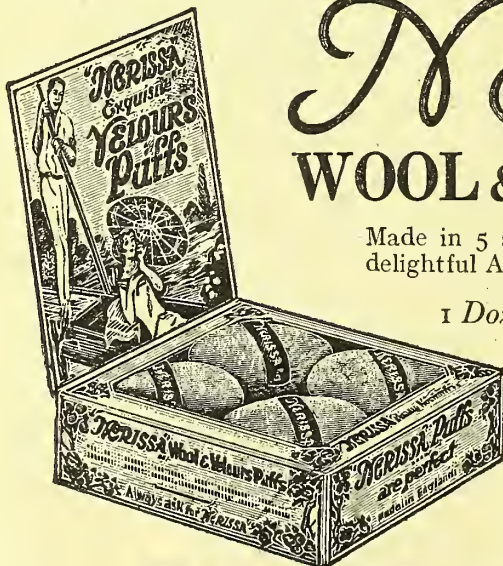
Sole British Agents:

G. H. Willoughby & Co., 59 Portland St., Manchester.

STAND NO.

40

Have a look at these at the Chemists' Exhibition.



NERISSA

Regd.

WOOL & VELOURS PUFFS

Made in 5 sizes, 2, 2½, 3, 3½, 4 inches, in White and delightful Art Colours, each in Cellophane Envelope.

1 Doz. in Display Carton in Colours (as shown).

The GOODS are PERFECT.

The PRICE is RIGHT.

The DISPLAY SELLS THEM.

Order a trial box of 1 dozen from your Wholesale House to-day and a box of 2 dozen Face Cloths at the same time. We guarantee that you will be satisfied.

Watersprite
MADE IN ENGLAND

SOLPORT
BROTHERS LIMITED

GOSWELL ROAD - - LONDON, E.C.1

CHEMISTS' EXHIBITION, 1928

J. GROSSMITH & SON, Ltd.

cordially INVITE all their CHEMIST FRIENDS to visit their

STAND No. 76

where a comprehensive range of their well-known productions will be displayed.

The vast distribution of "PHUL-NANA" and "SHEM-EL-NESSIM" bears ample testimony to the fact that

ORIENTAL PERFUMES

are still great public favourites.

OLD COTTAGE LAVENDER SERIES

The increasing Sales of which during the last few years has been remarkable, has been supplemented by several new additions.

The SOLID BRILLIANTINE—retailing at 1s.—although only recently introduced is already an established success.

The SHAVING STICK and SHAVING CREAM—also at 1s.—are likewise ready sellers.

All productions show a liberal MARGIN OF PROFIT which can be further augmented if advantage is taken of the WINDOW DISPLAY TERMS offered on a very reasonable parcel.

There is little doubt that the backbone of business to-day is mainly composed of a prettily presented and well advertised article SELLING AT A POPULAR PRICE.

These requirements are conclusively met by our FACE POWDER AND CREAMS in the Handbag size at 6d., the output of which has already run into Millions of Boxes and Tubes annually.

We invite enquiries *re* our Selling Schemes and SILENT SALESMAN SHOWCARDS, the greatest business getters yet invented.

Those of our friends who are unable to visit the Exhibition are invited to communicate by post when the fullest particulars will be gladly provided.

J. GROSSMITH & SON, LTD., NEWGATE ST., LONDON

**A BIG
SELLER**

LUCKY AMULETTES D'ANGKOR

RETAIL
1/6

Complete with
twelve sticks of
Incense.

Miniature reproduction
of an idol, in stone,
holding two sticks of
incense.

They appeal to
all classes and
sell at sight.



Prices :

Per doz. 12/-
3-doz. lots.. .. 11/-

Separate sticks of In-
cense, in packets of 12 :

5/3 per doz. packets.
3-doz. lots, 5/- per
doz. packets.

*Sole Distributors
for Great Britain*

SPURWAY ET CIE, LTD.
89 GREAT EASTERN ST., E.C.2

Telegrams : "Neroli, London."
Telephone : Bishopsgate 1372.

"Dutec"

*made in
England
by*

J. DUPONT & Co., 18 FORE ST., LONDON, E.C.2.

Best materials and workmanship.



TOOTH BRUSHES

*Various
Patterns.
Samples
on
request.*



SHADEINE

For COLOURING GREY HAIR

This popular article is largely advertised
and stocked by all Wholesale Houses.
Trial size 8d. per doz. 6/-
1/4 size, per doz. 12/-
2/6 size, per doz. 24/-
3/9 size, per doz. 36/-

The SHADEINE CO., 58 Westbourns Grove, London, W.2.



GREY HAIRS

← *appear just here.*

TOUCH THEM UP WITH

TATCHO-TONE

and they will instantly recover their
natural shade. Medical Guaranty with
each bottle. Chemists' Prices 2/6 and 4/6

TATCHO-TONE CO., 5 Great Queen Street, London, W.C.2

Triad Phia
8
Post free

THE "JARASO"

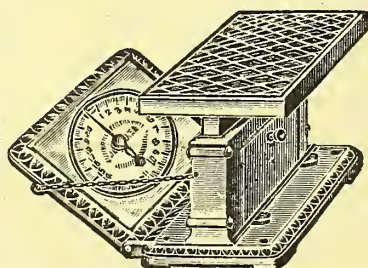
**BRITISH
MADE**

PERSONAL WEIGHING MACHINE

(Portable)

BALL BEARINGS. NO WEIGHTS REQUIRED.

Your weight is reflected in the mirror. Weighs up to 20 stone—
Guaranteed accurate, but can only be sold in Great Britain and Ireland
or Exported to the British Colonies only.



LIBERAL TRADE TERMS from
ALBERT C. SHOPPEE, Ltd.
Belmont Street, Chalk Farm, LONDON, N.W.1.

RETAIL PRICE IN ENGLAND

39/6 each

Truthful Advertisement and Faithful Quality form a Happy Unity

H.B.T. ASEPTIC TOILET SOAP | H.B.T. ASEPTIC SHAVING SOAP

Have you had your supply yet? If not, don't lose time or you will lose sales, and lost sales don't come back.

Did you notice the report in the papers lately of the saying of a big business man who, when asked his one object in business, replied: "Oh, Profit. Nothing else. Just profit and that all the time." Well there must be profit, but that's not everything. No true man holds that as his one objective. There must be some profit for the buyer as well as for the seller. The man who has something to sell that is for the good of the people, something that is to their advantage to possess and use, is doing a good work and his profit will come in due time. True success is not always, if ever, measured in terms of £ s. d. alone.

When you sell **H.B.T. ASEPTIC SOAP** you can rest assured that you are doing your customer a good turn. The valuable plant extracts contained in it have never failed to do their duty and they have an amazing record of healing excellence. You can recommend it for every possible skin condition. If your customer's skin is perfectly healthy—sell him this soap—it will

keep it healthy. Try a small parcel now. Recommend it to your clients and they will afterwards thank you.

The Ideal Shaving Soap at last. It contains the same Living Plant Juices as the Toilet Soap but with a different base for shaving purposes. Its lathering quality is exceptional—removing the oily globules that turn aside the keenest blade and giving at once that softening to the beard that permits the razor edge to glide painlessly over the skin. A close, rapid and comfortable shave is enjoyed. Shaving is robbed of its terror. "I've got to shave. I wish I hadn't. Now for the torture." How often is this heard—but not from users of **H.B.T. ASEPTIC SHAVING SOAP**. Those who may cut themselves or slice off a little bit of skin find the wounds heal almost at once and this is a boon for many.

We are telling you these things because we want you to know the value of these soaps and to give you confidence to recommend them. To shave with **H.B.T. ASEPTIC SHAVING SOAP** and wash with **H.B.T. ASEPTIC TOILET SOAP** makes the perfect combination.

To enable those who have not yet stocked these soaps to do so we have continued the special offer of a Parcel containing £4 10s. worth for £3 cash with order. Prices must not be cut. The acceptance of our terms will be taken as an undertaking that the soaps will be sold at not less than their published prices.

Our terms to you are 25 per cent. nett. An extra 5 per cent. may be deducted if sending cash with order. Carriage paid in Great Britain and North Ireland on all orders

value £3. Try the following small parcel. You will soon need more:—

	£	s.	d.
12 Boxes H.B.T. ASEPTIC TOILET SOAP (3 Tablets).			
Retail 2/3 ..	1	7	0
36 Tablets—singles—a wooden box			
Retail 9d. ..	1	7	0
36 H.B.T. ASEPTIC SHAVING SOAP ..			
Retail 1/- ..	1	16	0

Special offer for £3—Cash with Order £4 10 0

Note the British Commercial Monomark on each Tablet—BCM/HBT.

HUNTER BEATTIE, Monteith Row GLASGOW, S.E.

B B

A Name that Merit has made Famous

"HARLENE" HAIR-DRILL"

THE extensive and intensive advertising campaign constantly running in connection with "Harlene" still continues and will still continue to draw immense response from all over the country. Thousands of Free Trial Gift Parcels are dispatched to new applicants every day, thus increasing the already colossal retail business.

Do you stock the following "Quick Sellers"?

- | | |
|--------------------------|--------------------------|
| "Harlene" for the Hair | "Astine" Vanishing Cream |
| "Uzon" Brilliantine | "Astine" Tooth Cream |
| "Cremex" Shampoo Powders | "Astine" Shaving Stick |
| "Astol" for Grey Hair | "Astine" Nail Cream |

TWO NEW LINES which are QUICK SELLERS "HARLENE" Cleansing & Revivifying HAIR FIXATIVE (FOR GENTLEMEN)

This entirely new preparation, the need for which has long been felt by Men, has been specially prepared to keep the hair bright-looking and healthy, and, while preventing dryness or stickiness, will "set" the hair in the morning and so keep it in position that it will remain during the whole day literally "without turning a hair."

"HARLENE" WAVE-SETTING LOTION (for Ladies)

In order to retain the beautiful and alluring waves created by the "Harlene" Hair Waver for a long time against the ravages of Fog, Mist, Damp, etc., a wonderful new Wave-Setting Lotion, specially prepared for Ladies, has been introduced. A little of this preparation should be brushed into the hair just before waving. The waves will then last twice as long.

Price of both of above	{	Advertised (Minimum Retail) -	1/3 per bottle.
		Makers -	13/4 per dozen.
		Less 20% Discount.	

**PLACE YOUR
ORDER TO-DAY**

For Full Particulars, Terms, etc., write to:—

EDWARDS' HARLENE LTD.

20, 22, 24, 26 LAMB'S CONDUIT
STREET - LONDON, W.C.1.



*Manufacturing Chemists
and all users of*

Farina, Dextrine, Maize Starch, &c.

should investigate the merits of the



*We are prepared to submit adequate samples
so that users may make full tests for themselves.*

**DEXTRINE IN 18 GRADES, FARINA, STARCHES
and ARROWROOT. All pure in accordance
with Food & Drug Regulations now in force.**

*We have built up our trade by strict adherence to purity, uniformity
of quality and prompt deliveries. Every Bag Guaranteed.*

Enquiries Invited.

G. E. HERNE & CO.

11 JOHN ST., LONDON, E.C.3.

'Phone : Royal 2159.

Wires : "Pulverate, London."

And at LIVERPOOL, NOTTINGHAM, EDINBURGH & CARDIFF

ESTABLISHED 1885.

5 for 1/8



a Good Blade!

10 for 3/4

We make no exaggerated claims on behalf of our product, but instead we sell

"ECLIPSE"
(Gillette Type)
SAFETY RAZOR BLADES

Under a definite money-back guarantee of satisfaction, particulars of which will be sent on request.

EVERY CHEMIST SHOULD STOCK THEM.

1 Box	100 Blades at £1 2 3 per box
5 Boxes	" at £1 1 8 "
10 "	" at £1 0 10 "

Terms: Monthly, less 2½%. Carriage paid on 3 box lots and above.

JAMES NEILL & CO. (Sheffield) Ltd.
Crucible Steel Manufacturers,
NAPIER STREET - SHEFFIELD.

Shooting Ahead!

Sales up again this month. There are logical reasons for the big hits which Myatt Blades are scoring.

The public gets a thoroughly good blade with our exclusive day-mark feature. The retailer gets a good profit backed by extensive advertising.

Myatt Blades are popular with trade and public alike. They hold profitable possibilities for you, too. If not already sharing in this success send a trial order now and ask for Display material.




5 blades 1/3
LESS 33½%

showing a profit of

50% ON COST.

MADE IN ENGLAND.

MYATT



PATENT DAYMARK
Blades

W. J. MYATT & CO. LTD.,
Argent Works, Birmingham.
London Showrooms:
94 Hatton Garden, E.C.1.

Trade Mark

SELL BRITISH BRUSHES and take no risks

TOOTH BRUSHES

Sterilised.	Secure Bristles.	Wire Drawn
	Per dozen.	Each
SUPER QUALITY	14/-	Retail at 2/6
BEST QUALITY	11/-	" 2/-
SECOND QUALITY	9/-	" 1/6
POPULAR QUALITY	7/6	" 1/-

Sample order of 1 gross assorted stamped with NAME & ADDRESS } **£6**

DENTAL PLATE BRUSHES

12/- 14/- 16/- per dozen.

TWISTED WIRE DENTAL PLATE BRUSHES

14/- per dozen.

Actual Manufacturers—

RIGBY BATTCOCK Ltd.

Mount Pleasant Works, Upper Clapton,
LONDON.

Showrooms: 28 Museum Street, London, W.C.2

ASTOUNDING SUCCESS OF THE NEW SMOOTH SHAVING

"AMO"

BLADES

8/- Gross

Post Paid.

SMOOTH SHAVING CAPACITY
WINNING PUBLIC'S CONFIDENCE

SPECIAL INTRODUCTORY BONUS

3 doz. Blades free with each Gross.
AVAILABLE TO JUNE 1, 1928.

L. FRANKENBERG

125, HOUNDSDITCH, LONDON, E.1.

Money refunded if not satisfactory.

Send for Free Testing Sample.

Telephone No.: AVENUE 8846.

Telegrams: UZE CARNOS Ald. London.

WHOLESALEERS PLEASE WRITE FOR SPECIAL TERMS.

WARDONIA

RAZOR BLADES

ARE YOU STOCKED?

50% PROFIT ON COST | RETAILS 4 FOR 1/-

Write now

THOMAS WARD & SONS, LTD., Wardonia Works,
Razor Blade and Cutlery Manufacturers. **SHEFFIELD.**

Bottles & Glassware

of every description

Wholesale Only

EXTENSIVE & WELL-ORGANISED WORKS enable us to quote competitive prices and give prompt deliveries.

We invite enquiries for bottles of every description—hand or machine made.

Immediate delivery from stock of all kinds of

**DISPENSING
EMULSION
EMBROCATION
FEEDING BOTTLES**

&c., &c.

If well-made bottles of perfect finish interest you, ASK US TO QUOTE.

BUY BRITISH BOTTLES!

Lax & Shaw

(Regd. Office)

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GLASS
WORKS**

LIMITED

HUNSLET, LEEDS

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Telephone Nos.: 27047, 23080 Leeds.

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CORKS

SEND FOR SAMPLES.

ESTABLISHED 1884

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FOR ALL KINDS OF BOTTLES & JARS.

The Tonkin Metallic Capsule Co.
(PROPRIETORS: C. OLLEY & SONS, LTD.)

BUSSELL'S BOTTLE CAPS

Dry. Self-fixing. All sizes

FINEST QUALITY AND APPEARANCE.

T. C. Bussell

47 MARK LANE - - LONDON, E.C.3

TELE.: Royal 8327

*Medical, Surgical and
Scientific.*

Wholesale and Export only.
Inquiries invited.

IF YOU BUY
ABROAD—
WE BOTH
LOSE MONEY

GLASSWARE

**NIPPLE
SHIELDS,
IRRIGATORS,**

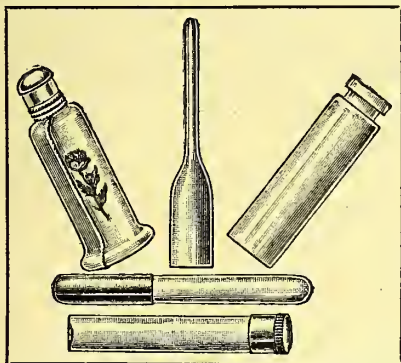
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Glass Instruments.

H. J. POULTEN, Glassblower

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PLAIN or FANCY,
of every description and colour for
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AMPOULES AND TEST - TUBES.



AT LOWEST FACTORY PRICES.

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Sole Representatives for Great Britain and Ireland—

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We solicit your enquiries and specifications.

Merit

Merit is a quality that compels and retains goodwill, and this is made evident by the continued patronage of your customers.

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LIQUID SILVER POLISH

& SILVER PLATE CLOTH

are reputed amongst craftsmen in the jeweller's and silversmith's trades as being unexcelled for cleaning and polishing silver and E.P. Ware. For over 20 years they have used and recommended "Town Talk," whilst housewives the country over acclaim it the easiest, cleanest, most gratifying and least injurious polisher obtainable. We want your co-operation in selling "Town Talk." It is widely advertised in the National Press where housewives are told they can buy it from Chemists.

Do you sell "Town Talk"?

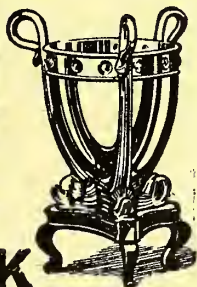
It enjoys a brisk sale and yields a very generous profit.

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JAMES WOOLLEY, SONS & Co., Ltd.,
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BEATSON'S BEST BRITISH BOTTLES

To be seen at

THE

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STAND No. 9

HOLLAND PARK HALL

LONDON, W.

MAY 7th—11th, 1928

ESTABLISHED 1751.

Beatson, Clark & Co., Ltd.

ROTHERHAM GLASS WORKS,

ROTHERHAM.

THE PERFECT RESEAL CLOSURE.

THE AMERSEAL

REG. U.S. PAT. OFF.

CAP



It is a cap from which the contents cannot escape. A quarter turn securely seals—a quarter turn quickly unseals.

It can be attractively lithographed in any colour scheme—giving an extra sales value to the product.

It is beautifully made and strong enough for the roughest usage.

It is very moderate in price.

For **NARROW MOUTH** Bottles—For **WIDE MOUTH** Jars.
AN IDEAL SEAL AND RESEAL.

Write or call for full particulars.

NATIONAL GLASS Co., Ltd.
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ALL CHEMISTS AND DRUGGISTS SHOULD SELL THAT BEST SELLER

SECCOTINE THE WORLD'S ADHESIVE

Registered Trade Mark

- 1 It is good clean reliable stock—sure to sell.
- 2 It is largely advertised and known all the world over—Finland to Patagonia—China to Peru.
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- 4 It is a necessity in every house—bachelor diggings or family home. Show it constantly and it is constantly bought.
- 5 It needs no heating or other preparation. Sticks things small or great—a hair-brush or the mast of a ship. It mends torn clothes—stiffens linens, silks and embroideries, without gloss—THE PROFIT IS SURE.

Apply to wholesale houses, or direct to the Works—

McCAW, STEVENSON & ORR LTD., Linenhall Works, BELFAST

GLASS BOTTLES

Large Stocks of PHIALS, PANEL FLATS, COUGH MIXTURE PANELS, MEXICAN FLATS, CANNON ESSENCES, &c., at low prices.

Write for Prices to—

FREDK. YOULDON (Formerly Proprietor of E. Youldon. Established 1840.)
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*Phone: London Wall 3529.

Telegrams: "Youldon, Ave, London."

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A BOXMAKER is a manufacturer who makes boxes to order and nothing else; a Service boxmaker is a manufacturer—

who suggests novel and serviceable carton-shapes;

who has a fully-equipped studio where experts in label-design are employed for the benefit of customers and prospective customers;

who is able to turn out the very best printing and lithography;

who can give good advice on all questions relating to the packing of any and every class of goods;

who can give this Service at a reasonable price.

If you want help on your packing problems write to the Service boxmakers who know their business, and whose address is given below.



ROBINSON & SONS, Ltd.,
Wheat Bridge Mills,
CHESTERFIELD.

Robinson & Sons, Ltd.

Manufacturers of Round, Oval, Square,
and Folding Cardboard Boxes.

Chesterfield & London



ROBINSON & SONS, Ltd.,
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PRACTICAL WORK. Students taking the course may receive personal tuition in the practical work AT ANY TIME DURING THE COURSE.

Expert Tuition for the SIGHT-TESTING DIPLOMAS of the Worshipful Company of Spectacle Makers (F.S.M.C.); the British Optical Association (F.B.O.A.); the National Association of Opticians (F.N.A.O.); or the College of Optics (F.C.O.).

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50 HIGH STREET, BARNET, LONDON, N. S.A. Representative: E. E. G. WOOLLEY, F.S.M.C., M.P.S., c/o H. Neil & Co.
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THE NATIONAL
ASSOCIATION OF
OPTICIANS

A SPECIAL MEETING

WILL BE HELD AT THE

HOLBORN RESTAURANT, London, W.C.,
on Wednesday, May 9th, 1928, at 2.30 p.m.,
when a LECTURE will be delivered by
W. SWAINE, B.Sc., on

"RADIANT ENERGY AND PROTECTIVE FILTERS"

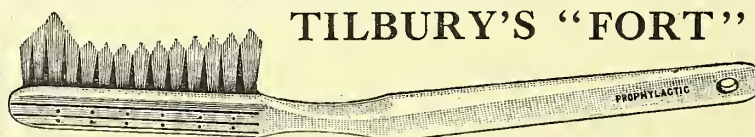
D. & P. WORK and "ENLARGEMENTS"

SPEEDIEST SERVICE — GUARANTEED WORK — BEST TRADE TERMS

ASK FOR OUR TRADE TERMS. SEND US A TRIAL ORDER.

A. C. Vallance, Ltd., Westgate & Milton St., Mansfield.

'Phone: 689.



Tilbury, Brush Works, Hackney, London, England.

TILBURY'S "FORT" PROPHYLACTIC

In the "ORANGE BOX."

In 3 Sizes, and in Hard, Medium
and Very Hard Unbleached Bristle

Each Brush packed in Transparent Envelope
ensures Cleanliness and Hygiene.



Leisure for GOLF

was unheard of before Smith got his Gledhill Till. He never left the shop because of his old-fashioned cash checking system, and even at night he spent hours "cashing-up."

Now he can leave any time, because he knows his Gledhill Till accounts for every penny received or paid, removes temptation and guards his profits.

Follow Smith's example;

send for catalogue
and instalment plan.

G.H.GLEDHILL AND SONS
LIMITED
16 TRINITY WORKS, HALIFAX.



NURSE HARVEY'S MIXTURE

A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the continuous demand for it produces a quick turnover.

For Direct Terms apply to—

OSCAR SCRUTON & CO., YORK

J. PILLISCHER

88, New Bond St., W.1.

The "International"
Microscope

IMPROVED
MODEL

2 Eye Pieces. $\frac{5}{8}$ & $\frac{1}{2}$ Object Glass.
Magnifying Power 50 to 420 diams.

In case with lock and key.

Sent free to any part of
the World on remittance of

£14 : 6 : 0

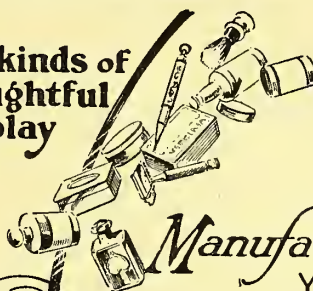
"The Lancet" says:
"We can conscientiously recommend it to all who really want a useful instrument."

Enquiries invited
for all other kinds
of Microscopes,
Optical and other
scientific instruments.

15 GOLD MEDALS
16 GRAND PRIZ



All kinds of
thoughtful
display



Manufacturers!

YOUR GOODS
DISPLAYED & SOLD
TO BEST ADVANTAGE

NEW PATENT
"STAND-SHOWCARD"

In one piece!
Self-fixing!!
Packs flat!!!

Over 1,000,000 in use



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SPECIALISTS

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and quote you.*

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PREPARATION for the PRELIMINARY
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Correspondence Courses in all Subjects.

Over £300 won by Students in this Department.

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Watts' Embrocation, or Curb Bottle.
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Worm & Condition Powders.
Watts' Red Lotion.
Hair-Restoring Ointment.
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HARVEY'S**Great**

*Protected Prices
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Remedies for the Horse**HARVEY'S**

Koppos Powder.
Parasiticide.
Thrush Specific.
Hoof Ointment.
Hair Restorer (Human).

Of all the leading Druggists' Sundries Houses
HARVEY & COMPANY, Ltd., Dublin

**Continuous and Steadily Advertised Goods
FOR DESTROYING RATS AND MICE**

DANYSZ VIRUS

Retail Price (protected).	Net Wholesale Prices
Virus for Rats and Mice, single tube, 2/-	.. 15/- per doz.
3 tubes, 5/-	
Virus for Mice only - single tube, 1/6	.. 9/- " "
3 tubes, 3/-	

Date-expired tubes returned to us postage paid will be exchanged free of charge.

Danysz Virus in Liquid Form

Retail Price.	Wholesale Price
Quart Bottles 6/- each	4/6 each
Pint " 4/6 "	3/9 "

**HALLER'S EXTRACT OF SQUILL
and DANZO RAT KILLER**

Discount off Retail Prices 25% Monthly Account, or 33½% cash with order.

	Retail	Monthly a/c	Cash with order
1/2 gall. tins .. 10/-	7/6	6/8	
1 " " .. 18/-	13/6	12/-	
5 " " .. 80/-	60/-	53/4	

DANZO BEETLE POWDER

For destroying Blackbeetles, Cockroaches, Crickets, &c.
Retail Prices (protected). Wholesale prices per doz.

In tins 3d.	.. .. .	In boxes of 2 doz. 2/1
" 6d.	.. .. .	" " 1 " 3/8
" 1/-	.. .. .	" " 1 " 7/3
" 2/6	.. .. .	" " 1 " 13/6

Danzo Beetle Powder will not deteriorate by keeping.
CARRIAGE PAID ON ALL ORDERS.

To be obtained from
HALLER LABORATORIES, LTD.
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BOB MARTIN'S*TASTELESS***CONDITION POWDERS**

show a profit of 38%

and are advertised in daily papers having a combined sale of more than SEVEN MILLIONS a day.

For 19/6 you can obtain a good selection of Bob Martin preparations and a supply of attractive display matter.

BOB MARTIN LTD., SOUTHPORT, LANCs

**REX LIQUID INSECT KILLER**

KILLS FLIES, MOTHS, GNATS, BEETLES, BUGS, FLEAS, ETC.

(THE CONSISTENTLY SELLING PROFIT MAKER.)

Write for free copy of "Tibo News," giving you remarkable terms.

Heavy Advertising booked for Spring and Summer.

ACT TO-DAY—Your Profit is Very LARGE!

TIBO PRODUCTS CO., Ltd., 55-63 Goswell Rd., London, E.C.1

YOU should stock

FERRY BRAND

DESTROYER for Rats & Mice

Regd. Trade Mark

"FERRY" DESTROYER is easy to use, is deadly in effect and acts quickly. HARMLESS TO MAN, ANIMALS & POULTRY. It is not a Virus and therefore does not contaminate foodstuffs.

Users' Wonderful Reports.
"I took up 14 dead rats next morning. In all my life I have never seen such a remarkable result."—G.G., Glamorganshire.
"We were swarmed out with Mice, and they have absolutely disappeared."—J.M.

We are advertising "Ferry" Destroyer extensively—locally and nationally—yet our Trade Discount is 33½%.

Write to-day for full particulars and prices.

THE BRITON FERRY CHEMICAL & MANURE CO., LTD.
Dept. U.4, Briton Ferry. (Established 1886).

"GLACIER" BRAND WATER GLASS

We invite your enquiries
for Contracts,
or orders for forward
delivery for the above.

NEW SEASON'S STOCK
NOW READY.

For Right Prices, write Price's.

A.S.PRICE & CO. Ld.
BLACKHEATH, BIRMINGHAM

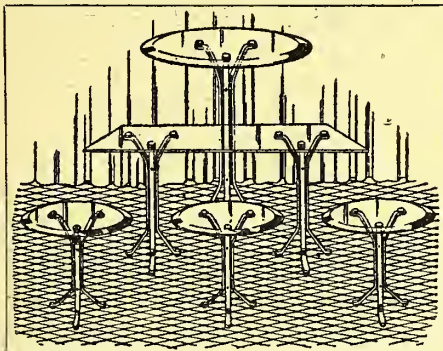
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Please let us know
your requirements
and Samples shall
be sent you.

**JAMES TOWNSEND
AND SONS,
EXETER.**

(London Office:—54, Farringdon St., E.C. 4.)

J. C. KING'S "DEANSgate" DISPLAY SET



COMPRISING:—

Three Steel Tripods 9" high, three 12" x 9" Glass Ovals,
5/8" Bevelled and Polished Edges.
Two Steel Tripods, 12" high, one 30" x 10" Glass Oblong,
one long edge polished, three edges ground.
One Steel Tripod 18" high, one 18" x 12" Glass Oval,
5/8" Bevelled and Polished Edge.
IN BROWN BRONZE FINISH, Ref. No. M 573, or
COPPER OXYDISED, Ref. No. M 574.

£2 : 7 : 6 COMPLETE

Ref. No. M 575 NICKEL PLATED FINISH £2 10 6
All Glass is 1/4" in thickness.

SEND FOR FULL ILLUSTRATED LIST No. 931.

J. C. KING, Ltd., Shopfitters to the Chemist Trade,
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RASEVAN ^{THE} MOTH KILLER

(REGD.)

RETAILS AT 1/- PER BLOCK.

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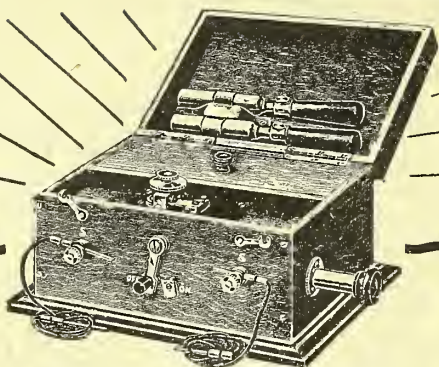
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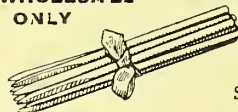
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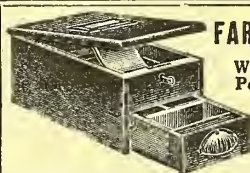
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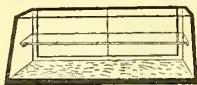
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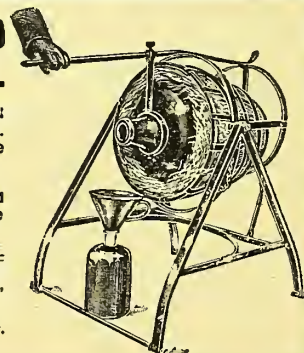
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Coming Events

Wednesday, May 2

Northumberland and Durham Chemists. Whitley Bay golf course. Bogey competition on handicap for prize given by Evans Sons Lescher & Webb, Ltd., Liverpool.

South-West London Chemists' Association, The Plough, Clapham, S.W.4, at 10 a.m. Visit to the Ware works of Allen and Hanburys, Ltd.

Western (London) Pharmacists' Association, 192 Oxford Street, W.1, at 8.30 p.m. Annual meeting. Nominations for the committee may be received by the secretaries before or at the meeting.

CHEMISTS' DENTAL SOCIETY.—The annual meeting will be held at the Holland Park Hall, London, W.11, on May 10, at 5.30 p.m.

SWISS PHARMACEUTICAL EXPORTS.—There was an increase of about 11 per cent. in the exports of pharmaceutical products from Switzerland during the nine months ended September last; the value amounted to £1,471,640, compared with £1,455,320 in the corresponding period of 1926.

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Fairchild Scholarship and Prizes

The date for the 1928 examination for the Fairchild scholarship and prizes has been fixed for Thursday, June 21. Application forms are now ready, and can be obtained from the Secretary to the Trustees (Mr. Herbert Skinner), c/o Fairchild Bros. & Foster, 65 Holborn Viaduct, London, E.C.1.

Manufacturers' Centenary

The centenary of Wood Brothers Glass Co., Ltd., Barnsley, has just been celebrated by a social evening at which about 600 people, comprising the employees and a few guests of honour, took part. Among those present were Professor Turner (of Sheffield University) and the Mayor and Mayoress of Barnsley. The business was founded in 1828 by Messrs. Usherwood, Barron, Cartwright and Perkes. In 1834 the partners were Mr. John Wood, Mr. James Wood and Mr. Richard Perkes. Prior to the death of Mr. Richard Perkes, which took place in 1854, Mr. Eugene Wood, nephew of Mr. John Wood and son of Mr. William Baker Wood, was assisting his uncle in the management of the glassworks. After the death of Mr. Richard Perkes, Mr. William Baker Wood came over from Baccarat in France and entered into partnership with his brother, Mr. John Wood: the firm was then designated Wood Brothers. Several years later the firm took into partnership Mr. George Wright, who had served as mould-maker and engineer. The name of the firm was then altered to Wood Brothers & Co. A triangular piece of land was purchased near Hoyle Mill, Barnsley, and new works were commenced in 1872. This was followed by a gradual transference of the workmen from Worsbro' Dale, the first home of the firm.

Contracts

The following tenders have been accepted by the bodies named:—

Colchester Guardians.—Mr. J. F. Marljar, chemist and druggist, drugs.

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Grantham Town Council.—B. & J. Fillingham, chemists, drugs, etc.

Hertford and Ware Joint Hospital Board.—Sheffield & Sons, Hertford, sundries.

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Newport (Shropshire) Guardians.—A. Crossley & Son, drugs.

Peterborough Guardians.—Boots, Ltd., drugs.

Rugby Guardians.—Mr. J. A. Bayes, chemist and druggist, drugs.

Stockport Infirmary.—J. C. Arnfield & Sons, Ltd., drugs.

Stourbridge and Halesowen Hospital Committee.—George Greenwood & Sons, chemists, Lye, drugs.

Birmingham

Illness appears to be prevalent just now amongst pharmacists, several of whom are at present away from business, and others ought to be, but cannot, because of understaffing.

The police have informed local traders that bogus £1 Treasury notes are in circulation. The identification

marks and numbers of fifteen of which they hold being: Six notes, S1/16, 770838; six notes, S1/17, 477331; one note, S1/22, 435714; one note, S1/38, 621197; one note, R1/55, 691543.

The premises in which many years ago a former president of the local Pharmaceutical Association (Mr. Lucas) had a shop were offered for sale on April 19, and withdrawn at £36,000, the rental being £3,745 per annum, ground rent £221 19s. per annum, and term to run forty-two years.

Manchester

The Manchester, Salford and District Pharmacy Tennis Club opened the season on April 18 with an American tournament. An enjoyable afternoon was concluded with tea in the Chomlea Café, after which Mr. Thorpe presented the president's prizes for last season's competition. The winners were Miss Duncan and Mr. Steinman, and the runners-up were Miss Byron and Mr. Bairstow. The prizes, six cut-glass vases, were given by Mr. Franklin. The winners of the American tournament were Mrs. Williamson and Mr. Byron.

At the "Better and Brighter Homes Exhibition," which is at present being held in the City Hall, Brooks-Weir, Ltd. (of London), are exhibiting Indian perfumes and other toilet articles, while the Patricia Manufacturing Co. (of Birmingham) are showing bath salts, shampoos and tooth-pastes. There is also an exhibit of pine bath salts, pine shampoos and brilliants by Philmos Preparations (of London); and Kolynos, Inc., besides their dental cream, are showing Kolynos denture powder, Kolynos skin soap, and a liquid Kolynos. Hand cleansers are fairly prominent, among exhibitors of this class of preparation being the Carito Hand Cleanser Co., of Liverpool, the Gre-Solvent Co., and C. R. Harker, Stagg & Morgan, Ltd. (Peldo). Artificial sunlight apparatus for treatment at home is shown by Electric Rays, Ltd.

Miscellaneous

POISON-LICENCE APPLICATION.—Mr. W. G. Church, ironmonger, Cookham, has applied to the Berkshire County Council for a licence under Section 2 of the Poisons and Pharmacy Act, 1908.

POISONING.—At Normanton, Yorkshire, Thomas J. Gill, miner, died from taking, according to his own statement, 100 aspirin tablets. It was found at the inquest that he was of unsound mind at the time.

STAFF DANCE.—The employees of Kay Brothers, Ltd., Stockport, held their fourth whist drive and dance of the winter season at the Reform Club, Wellington Street, on April 21. More than one hundred of the staff and friends were present and spent a most enjoyable evening, these social events proving more and more popular among the employees and management.

LEAD TETRA-ETHYL INQUIRY.—The Departmental Committee of Inquiry into the use of lead tetra-ethyl in petrol will hold its first public sitting on April 30. The Committee has already held a sitting in private, when methods of procedure were discussed and it was decided that the inquiry should be conducted in public. The meeting is to be held at the Office of Works, London, S.W., and the first witnesses are, it is understood, representatives of the Anglo-American Oil Co., Ltd., and the Air Ministry.

IN THE COURTS.—At Marlborough Street Police Court, on April 19, Patrick Joseph Corcoran (40); Parkfield Avenue, Harrow, described as a medical practitioner, was fined 40s., with 10s. costs, on a charge of assaulting a commissionaire outside a West End theatre by spraying ethyl chloride on his face.—At Tyseley, Birmingham, recently, Claude L. Chippendale (28), bricklayer, was fined £5 for stealing from a wooden shed bottles of cough mixture belonging to Mr. John Wilson Scott, dentist, chemist and druggist.—At Liverpool Assizes, on April 23, for offences in connection with supplying and procuring noxious drugs for unlawful purposes, William Craddock (35), proprietor of Barlow's Medical Stores, Scotland Road, was sentenced to three years' penal servitude, and Israel Pollecoff (28), draper, was sentenced to six months' imprisonment in the second division.

Irish News

Pharmaceutical Society of Ireland

The following are the results of the April Examinations:—

PRELIMINARY EXAMINATION.—*Passed with Honours:* Kieran Joseph Campbell, Gerald Patrick O'Keane. *Passed* (arranged in order of merit): Rose Ann Tully, Philip Ryan; Brigid Coghlan; Christina Cahill; Richard Purcell, William Rice; Alice Eileen Walsh, Patrick McGuirk, Charles F. Harpur, Stephen John Carden; Stanislaus J. Dunne; James K. O'Callaghan; John Beamish Mansfield; Agnes Ahern; Josephine Kiernan; Patrick J. Crowe; Martin Leo Daly; Samuel George Boyd; Oliver J. Stephens, Teresa Rosaleen Brady, Thomas Byrnes, Desmond MacCarthy; Patrick Joseph Stack; Patrick A. Murnane; Bridget Mary Moloney; Ronald Arthur Methven. Eighteen candidates were rejected.

PHARMACEUTICAL CHEMIST LICENCE EXAMINATION.—*Passed with Honours:* Michael P. McGoldrick. *Passed* (arranged in order of merit): Patrick C. Cahill; Mary Walsh, Kevin Doherty, Bernard J. McCloskey; Michael D. McHale; Kathleen Deery; John K. Carvill; Denis Sullivan; Julia J. Ryan, Keith H. Middleton; Bernard Noyck; Patrick Bowler; Kathleen J. Casey; Isabella M. Gilleece; Patrick J. Byrne; Mary Marshall; Arthur C. C. Evans; John J. Walsh, Peter Anthony Martin. Twenty-three candidates were rejected.

PHARMACEUTICAL ASSISTANT EXAMINATION.—*Passed* (arranged in order of merit): Cornelius Dillane; Elizabeth M. Treton; Owen Lynch; James J. Dalton; James A. Doyle; Walter Lundie, Patrick A. Moriarty; Frances McGrath, Catherine M. Harrington; Kathleen Fogarty; Patrick F. Ryan; Eileen Byrne; Anthony A. Cullinane. Two candidates were rejected.

REGISTERED DRUGGIST EXAMINATION.—*Passed* (arranged alphabetically): Maggie Brennan, Marie Collins, Catherine J. Clune, John C. Heffernan, William J. Hillman, Owen Lynch, Alexander McAllister, Norman McCausland, Michael P. McGoldrick. Five candidates were rejected.

Brevities

Mr. J. J. Macky has been appointed analyst to the Tyrone County Council.

At the Circuit Court, Cavan, recently, Evans Sons Lescher & Webb, Ltd., Liverpool, recovered the sum of £24 7s. 9d., value of unreturned empties, from the co. Cavan Board of Health, with £5 expenses. It was stated that sixteen doctors were in court.

Belfast

At the Easter Vestry meeting of Belfast Cathedral Messrs. J. Trevor Nicholl, Ph.C., and W. E. Wilson, Ph.C., were appointed sidesmen for the ensuing year.

Voting papers were distributed by the Corporation during the week ended April 21 to all pharmaceutical chemists, chemists and druggists, and registered druggists in connection with the new Early Closing Order (C. & D., April 14, p. 464).

Scottish News

Brevities

In the latest report of the Scottish section of the Co-operative Union, it is stated that the membership of retail co-operative societies in Scotland is 700,000, and their annual trade not less than £36,500,000.

While motoring home from Tomintoul on April 23, Mr. George Thomson, chemist and druggist, Elgin, and his wife were involved in an accident on the Avenide Road. Mrs. Thomson was cut about the face, but no one was seriously injured.

A case of goods lying on the pavement in front of Mr. Peter Fenton's shop at Kirkcaldy was the means of averting a motor accident on April 23. The brakes of a large motor failed to act, and the car, gathering speed on the incline, would, in avoiding a tramcar, have crashed through Mr. Fenton's window had it not been for the case.

Proprietary Articles Trade Association

Council Meeting

THE quarterly meeting of the Council of the Proprietary Articles Trade Association was held at the Hotel Russell on April 19, the president (Mr. Alfred Higgs) in the chair.

MEMORIAL TO SIR WILLIAM GLYN-JONES

It was reported that the president had attended meetings of a committee, consisting of the presidents or chairmen of various pharmaceutical organisations, which had considered what steps should be taken to perpetuate the memory of Sir William Glyn-Jones. This committee had recommended that an opportunity should be given to the members of the drug trade as a whole to contribute to such a memorial, and that a fund with that object should be opened by means of a letter signed by the president or chairman of each constituent organisation, and published in the pharmaceutical press. The Executive endorsed this recommendation, and had suggested to the committee handling the matter that the memorial should take the form of a scholarship or orphan fund.

PROPAGANDA MEETINGS

The success which had attended the Association's propaganda meetings, particularly those in the Irish Free State and Northern Ireland, was reported. Already there had been a considerable accession of retail members. The thanks of the Council were conveyed to those members in Dublin and Belfast who had assisted the president and secretary during their visit—particular reference being made to Mr. F. R. Moore (Thomas McMullan & Co., Belfast) and to Mr. Webb (May, Roberts & Co., Ltd., Dublin).

PRICE-MAINTENANCE WORK

The secretary submitted to the Council a report which dealt with the Association's price-maintenance work during the past three months. The report showed that the number of cases of cutting had increased, and that the work of investigating and tracing cutters' sources of supply had been vigorously prosecuted. The Council complimented the secretaries and staff on their activities.

Annual Meeting

The annual meeting of the Association was held at the Hotel Russell on April 19, the president (Mr. Alfred Higgs) in the chair. Among those present were Dr. A. J. Barnes, Messrs. J. Milner, P. F. Rowsell, J. Keall, H. H. Marshall, G. R. Barclay, A. T. Webb, J. B. Francis, G. R. Hunt, N. N. Armitage, A. T. Hall, S. N. Pickard, A. Bond-Hickiss, W. C. Birks, R. Feaver Clarke, H. Wippell Gadd, T. Marns, and E. Warburton. The following are the principal passages in the

ANNUAL REPORT

The Council, in presenting the thirty-second annual report of the Proprietary Articles Trade Association, feel that their first reference must be to the immeasurable loss it has sustained through the death of Sir William Glyn-Jones. The Council recall that the foundation of the Association was due to his initiative and genius, and that, during the thirty years of his secretaryship, he guided its activities with consummate skill and success. It is due to the memory of Sir William Glyn-Jones to remind members of the incalculable material benefits that have accrued to the trade through the work of the P.A.T.A. organisation which he initiated. While pursuing, in Canada, the price-maintenance mission to which he had been called by the drug trade of the Dominion, Sir William laid down a life which had been untiringly and unselfishly devoted to the causes which he had at heart. The Council and administrative staff feel that the greatest tribute they can pay to the memory of the founder of the P.A.T.A. is to continue unimpaired the price-maintenance work with which his name will always be associated. The membership of the manufacturers' section now stands at 450, and the number of "proprietary" controlled by these firms is 2,750. Membership of the wholesale section has also increased, and now stands at 63. A further sub-

stantial increase in membership of the retail section is reported, subscriptions now being paid in respect of 8,473 businesses. The Council would like to acknowledge the co-operation the Association receives not only from retail pharmacists as a body, but from the multiple shops and stores in making price maintenance within and outside the drug trade as effective as possible. Among non-pharmaceutical retailers there exists, in various quarters, a good deal of price cutting of certain P.A.T.A. articles which are in popular demand. The offenders are mainly street and market traders, small shops, and "cut-price" grocery stores. The price-cutting activities of these traders have been kept within bounds, and, in fact, considerably curtailed during the past twelve months. During the year approximately 500 new cases of cutting by retailers were reported to the Association. Of these, the majority were settled satisfactorily, and in 114 cases it was necessary to place the offenders on the stop list. The task of restricting the activities of persistent cutters involved the making of 2,550 test purchases of P.A.T.A. articles. One disquieting feature which has been disclosed by these investigations is that cutters have frequently obtained their supplies, directly or indirectly, from retailers. The report makes sympathetic reference to the death of Mr. Edward Pickering. Income exceeded expenditure by £1,101 15s. 1d.

THE PRESIDENT, in moving the adoption of the annual report and financial statement, stated that his first reference must be to the loss sustained by the P.A.T.A. through the death of its founder, Sir William Glyn-Jones. The last meeting connected with the P.A.T.A. attended by Sir William was the annual meeting in 1927. Had he been present this year he would note that his advice to the Association to "carry on" had been followed, and he would have rejoiced at the strength and activity displayed by the Association. Cutting among chemists and the drug trade proper was non-existent. Thanks to the energy and alertness of the Association's officers and staff the path of the cutters and the suppliers of cutters had been made extremely difficult, and the investigation and "tracing" department had been considerably developed. Dealing with propaganda work, the president said he attached great importance to the continuance of this.

MR. MARNs, in seconding the motion, said that it was gratifying to find that after what had been, admittedly, a difficult and active year, there remained so considerable a balance on the right side. He did not think that much criticism would be forthcoming.

MR. PICKARD endorsed Mr. Marns's remarks, and suggested that for propaganda purposes the president might find in Scotland a new world to conquer.

MR. KEALL said that the report of the propaganda meetings should hearten the Council to continue the meetings in the country next session. There were many men not long enough in business to realise what they owed to the P.A.T.A.

MR. F. J. SMITH congratulated the president and secretaries on the report. He could not remember any previous year in which so intensive a campaign had been conducted.

MR. J. MILNER endorsed the president's statements regarding the value of the propaganda meetings.

THE PRESIDENT, replying to the discussion, emphasised the value and assistance of the P.A.T.A. to himself as a retailer. He was glad to note that no dissentient or complaining voice had been raised. He hoped that additional propaganda meetings would be arranged before the end of the year. The motion that the report be adopted was carried unanimously.

MR. BOND-HICKISSON's motion that the thanks of the Association be accorded to the secretaries and the staff for their efficient service was carried unanimously. Mr. Chapman and Mr. Kenningham briefly replied. The proceedings terminated with a vote of thanks to the chairman.

UNITED KINGDOM COMMERCIAL TRAVELLERS' BENEFIT SOCIETY.—The annual report for the year 1927 shows that the membership at the close of the year was 7,885. The income was £70,667, compared with £66,261 in the previous year. Sickness benefit amounted to £14,138, and the apportionment per share to £1 10s. 6d. Mr. H. W. Harrie, chairman, 1927-28, and for seven years chairman of the office and finance committee, has been elected treasurer.

Pharmaceutical Society of Northern Ireland

Council Meeting

THE monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland was held on April 20 at the Society's headquarters, Belfast, the president (Mr. A. C. McBride) in the chair. There were present Messrs. W. J. Hardy, H. Todd, F. Storey, John Maxwell, Samuel Gibson, W. J. Rankin, W. S. Taylor, W. Martin, James Dundee, J. E. Connor, W. E. Wilson, J. F. Grimes, Professor Small, and Dr. S. E. Acheson. Mr. David Kirkpatrick (secretary) was in attendance.

DEATH

The PRESIDENT said that since their last meeting they had lost a very good brother of their profession, Mr. James Tate. He was a member of that Society, a former member of the Council of the Pharmaceutical Society of Ireland, and a past-president of that body. He was also a very respected citizen of Belfast. He (the president) would ask the Council to pass a vote of condolence with the sorrowing relatives. They all felt that one of the old standard-bearers of pharmacy in Belfast had passed away, and they were very sorry indeed.

The vote was passed in silence, and the secretary was instructed to convey it.

RESIGNATION

A letter was received from Mr. Robert Stewart, associate R.D., Letterkenny, resigning his membership of the Society.

EXAMINATION AND OTHER REGULATIONS ADOPTED

The minutes of the Law Committee contained the following:—

It was resolved that the following regulations be adopted by the Council:—

Examiners

(1) Where any examiner appointed by the Council is unable to conduct the examination at the proper time the president, or in his absence the vice-president, shall have power to appoint a substitute who shall for that examination only discharge the duties of the examiner originally appointed; provided that such appointment shall be subject to the approval of the Minister of Home Affairs.

(2) Every examiner before entering upon his duties shall give an undertaking to the Council in the following form:—

I,, hereby agree in consideration of being appointed an examiner by the Council to conduct the examination at such times and places as the Council shall determine and to certify to the Council the results of such examination within forty-eight hours of the conclusion thereof. I also hereby agree to sign any certificates required by the Council within a period of fourteen days from the date on which the examination terminated.

No fees shall be paid to any examiner unless the above-mentioned undertaking has been complied with.

Reading of Papers

(3) The Council shall have power to arrange from time to time for the reading of papers or the delivery of lectures on subjects of professional interest, and to defray all expenses incidental thereto.

Registration as Pharmaceutical Chemists of Members of Societies Outside Northern Ireland

(4) A person who is a member of a Pharmaceutical Society outside Northern Ireland may be registered as a pharmaceutical chemist under the Act if—

- (i) he has passed an examination which has been approved by the Council; and
- (ii) he has paid to the treasurer of the Society such fee as the Council may determine.

Poisons

(5) (a) In the keeping of poisons each bottle, vessel, box or package containing a poison shall be labelled with the name of the article, and also with some distinctive mark indicating that it contains poison.

(b) In the dispensing and selling of poisons by retail all liniments, embrocations, lotions and liquid disinfectants containing poison shall be sent out in bottles rendered distinguishable by touch from ordinary medicine bottles, and

there shall be affixed to each such bottle in addition to the name of the article and to any particular instructions for its use a label indicating that the contents of the bottle are not to be taken internally.

Apprenticeship

(6) No person shall be deemed to have complied with the provisions relating to the duration of apprenticeship or assistantship which are contained in Parts I, IV and V of the Second Schedule to the Act, unless he has been engaged during the whole term of his apprenticeship or assistantship for no less than forty hours per week in the actual business of his employer as a pharmaceutical chemist, registered chemist and druggist or registered druggist.

Mr. HARDY thought that the results of all the examinations should be completed within twenty-four hours instead of forty-eight, and moved accordingly.

Mr. STOREY seconded.

Mr. GIBSON asked what the hurry was, and the PRESIDENT replied that they wanted to complete the whole thing within the week. Mr. Hardy's proposition was agreed to.

On the subject of apprenticeship, Mr. TODD said that something definite ought to be done regarding the number of hours a boy had to work. He suggested the recommendation should be altered to not less than thirty hours.

Mr. HARDY said that the boys were not indentured, and that should be borne in mind.

Professor SMALL moved that forty hours should be left in the report and the words added, "or thirty hours provided that classes are being attended for at least another ten hours."

Mr. DUNDEE said that apprentices were working forty-eight hours a week. If they said forty they would think it was a maximum. An employer would not know if the boy was at the Technical College or not.

Mr. STOREY said this did not bind the employer in any way. They wanted to get some idea how long a boy should work.

Mr. WILSON said a boy could not concentrate on his work when it was broken by going to classes in the daytime.

Mr. TODD: We want to bind the employer to let the boy off during the day for classes.

The PRESIDENT: You cannot do that.

Mr. CONNOR: If you cannot do it, all we should do is make suggestions to the employers as to the number of hours. I would make nothing compulsory.

After further discussion, Professor SMALL suggested a thirty-six hours' minimum, which would give the boys a chance to get to two day classes a week. Professor Small's suggestion was carried by 9 votes to 4. The minutes as amended were then adopted on the motion of Mr. STOREY.

EDUCATION COMMITTEE

The Education Committee reported:—

The following, who submitted certificates from the under-mentioned bodies, were granted the Preliminary certificate of apprentice to a pharmaceutical chemist: Thomas Evans, 8 Cameron Street, Belfast, Junior Grade, Intermediate; Alexander Kirkpatrick Dobbin, 18 Rosewood Street, Belfast, Pharmaceutical Preliminary of Queen's University, Belfast.

It was agreed that Mr. R. W. Kinkead, who holds the M.Sc. and Ph.D. degrees of Queen's University, Belfast, be exempt from taking the Chemistry and Physics examination under Part I of the Final examination for the Pharmaceutical Licence.

The following letter was read from the Australian Pharmaceutical Conference, and the secretary was instructed to acknowledge receipt:—

"I am requested to bring under your notice the enclosed report of the Interstate Conference of Pharmacy Boards held at Hobart, Tasmania, on January 12 last. At this Conference representatives of all the Australian and New Zealand Pharmacy Boards were present. As you will see from the report, the question of reciprocity with Northern Ireland was considered. Eventually a resolution was carried postponing recognition until such time as the Pharmaceutical Society of Great Britain agrees to reciprocate with Northern Ireland. In case any pharmacists holding the Northern Ireland diploma contemplate coming to Australia or New Zealand, it might be well to make the position clear before they embark. . . . Trusting that an agreement with Great Britain will shortly be entered into, when Australian reciprocity will follow as a matter of course in terms of the Conference resolutions."

It was resolved that three or four representatives of the Council of the Pharmaceutical Society of Great Britain, together with their secretary, be invited to visit this Society's examinations in June with a view to obtaining a reciprocal agreement with Great Britain, and that during their stay in Belfast they would be the guests of the Society.

On the motion of Mr. TAYLOR, seconded by Mr. GIBSON, the minutes were passed.

Mr. HARDY said that the Council was now committed to the principle of reciprocal arrangements with Great Britain if thought fit.

The Committee further reported having met that day, and they recommended the re-appointment of the old examiners. In the case of an application from Mr. J. M. Glass, who served his apprenticeship with Lesters, Ltd., Cork, the Committee decided to accept him, subject to the solicitor's opinion. In the case of an application by Mr. Sonny Wainer, who served his apprenticeship with an Irish pharmaceutical chemist in Johannesburg, it was decided to accept him.

On the motion of Mr. HARDY the minutes were adopted.

BELFAST MUNICIPAL COLLEGE CLASSES

The report of the Council representatives appointed to inspect the pharmaceutical classes in the Municipal College of Technology, Belfast, signed by Messrs. Hardy, Todd and Storey, contained the following:—

We visited and inspected carefully a number of classes engaged on pharmaceutical courses, and we are convinced that the facilities afforded our students by the College for acquiring the necessary knowledge and taking the required courses are distinctly good. The various classes are well organised, and are staffed by efficient and experienced teachers, and, so far as those engaged at practical work are concerned, viz., chemistry, botany, pharmacognosy and pharmacy, adequately equipped. We are, therefore, entirely satisfied that any adverse statements which may have been made reflecting either on the *personnel*, teaching, or equipment of college are not well founded and could not be substantiated. We desire to acknowledge the courtesy and kindness of the head of the Pharmaceutical Section, Dr. Wren, who gave us every facility and assistance in our inspection.

The PRESIDENT said the report was satisfactory, and they were thankful to the Committee.

Mr. HARDY thought that a great many members did not appreciate what Dr. Wren had done in connection with arranging classes for all sections of the trade. They should be very grateful to him. The report was adopted.

Accounts were passed, and the Council rose.

Surgical and Allied Trades Association

A MEETING of members of the surgical and allied trades was held at 80 Fenchurch Street, London, E.C., on April 18. There was a good attendance from London, Manchester, Liverpool, Glasgow, Newcastle-on-Tyne, etc., and several letters from provincial firms in support of the movement to form an association for the trades were read. It was explained that in the event of imported goods having to be "marked," the association would negotiate with the Board of Trade and take steps to see that the trading activities of members were not unnecessarily interfered with. The association would act as the authoritative medium between Government departments and the individual firms. It would not control nor interfere with the trading activities of the firms who support it. It was agreed, on a vote, that the name of the Association should be "The Surgical and Allied Trades Association." It was stated the Association would represent importers, wholesale dealers and retailers of medical, surgical, scientific, dental, optical and veterinary instruments and appliances, druggists' sundries, and hospital furniture and accessories.

Mr. Mark C. Rimmer (Holborn Surgical Instrument Co., Ltd., London) was elected chairman; Mr. W. J. Edwards (Surgical Manufacturing Co., Ltd., London) was elected vice-chairman. The following were elected to the committee: Mr. J. L. Hatrick (J. L. Hatrick & Co., Ltd.,

London), Mr. J. W. Ogilvy (Ogilvy & Co., London), Mr. H. C. North (H. C. North & Co., Ltd., London), Mr. C. Bolter (C. Bolter, London), Mr. G. Bruce (R. Whitelaw (Newcastle), Ltd., Newcastle-on-Tyne). It was agreed that five more members of the committee should be elected at a later date. Mr. R. F. Dennis (Hospital Contracts Co., London) was elected treasurer; Mr. J. Mortimer (J. L. Hatrick & Co., Ltd., London) was elected auditor. The appointment of Mr. O. F. C. Bromfield as secretary was agreed to. The offer of the British Chemical and Dyestuffs Traders' Association, Ltd., of the full use of their offices and board room at 80 Fenchurch Street for holding meetings and for carrying on the general work of the Association, together with the services of the secretary and staff, at the rate of 104 guineas per annum was accepted. It was unanimously agreed that the annual subscription should be fixed at £3 3s., payable in advance. Firms could take up more than one membership if they desired, but the principle of "one firm one vote" would be rigidly adhered to. The question of liability of members was raised, and, after a general discussion, the meeting gave an instruction to the committee that the total expenditure for the first year should not exceed £150. The chairman stated that it was not anticipated that expenses for the first year would reach that figure, and that they should be even less in future years.

Colonial and Foreign News

CAIRO EXHIBITION.—The exhibition in connection with the International Congress of Tropical Medicine and Hygiene (*C. & D.*, February 18, p. 197) is to be held in Cairo for two weeks from the opening day, December 15, 1928.

NARCOTIC DRUGS IN INDIA.—A further amendment has been made to the restrictions on the import, export, and transhipment of intoxicating drugs at any port in British India, by which the following opium derivatives, viz., eucodal and dicodide, have been added to the schedule.

ANTI-OPIMUM DRUGS BUREAU.—The Anti-opium Department of the Nanking Ministry of Finance has organised the Anti-opium Drugs Bureau in Kiangsu province. Import and sale of anti-opium drugs are to be conducted by private companies, while the bureau, with sub-offices, will supervise the companies and collect the taxes levied.

FRENCH PHARMACISTS IN ATHENS.—Several well-known French pharmacists were present either as visitors or exhibitors at the French exhibition recently held in Athens. These included MM. Dusmenil, Bailly, Masson



and Fumouze. The Panhellenic Pharmaceutical Society gave a banquet in honour of the visitors at Phaleron, near Athens, previous to their departure, when toasts were proposed by Professor E. Emmanuel, MM. Dascalakis, Bailly and Masson.

RED PEPPER IN SPAIN.—A Spanish royal order of February 14, 1928, regulates the manufacture and exportation of red pepper. The product, consisting exclusively of the dry ground fruit of the capsicum ("pimiento"), is to be known as dry ground capsicum, ground capsicum, or simply red pepper ("pimenton"). This same product, having added to it pure olive oil not exceeding 10 per cent. of the weight of the dry pepper, is to be known as "pimenton aceitado" or red pepper treated with oil. Red pepper intended for exportation may have the same proportion of pure olive oil added to it, provided the laws of the importing country permit it. Violations of these regulations will be punishable by fine.

Legal Reports

Almond Oil.—At Birkenhead Police Court, on April 20, Mr. Thomas Stephen Jones, chemist and druggist, New Chester Road, was summoned for having sold peach-kernel oil as almond oil. Prosecuting on behalf of the Public Health Department of the Corporation, Mr. A. C. Shepherd said that a woman purchased from the defendant's shop a shillingworth of "almond oil," which was given to her in a bottle labelled "oil of almonds." Mr. Herbert Edward Davies, B.Sc., public analyst, said that the oil supplied was not almond oil but "almond oil persic," which was obtained from the stones of peaches and apricots. Replying to questions, he said there was only one test for distinguishing the two oils. When he tested the sample given him, he knew by the colour that the greater portion of it was kernel oil. Mr. Standing, on behalf of Mr. Jones, objected to the analyst's report on the ground that it did not specify percentages of ingredients. The defendant had been twenty-five years in the business, and had held high positions in the society connected with his trade. Mr. Jones, in evidence, said that when customers asked for sweet almond oil they got it; but when they merely asked for almond oil they got "almond oil persic," which was cheaper. In fining the defendant £2, the chairman of the Bench remarked that the case was the first of its kind in that court.

"Paregoric" without Opium.—At Bury, Lancashire, on April 18, Thomas Evans, "botanic practitioner," Union Square, was summoned for applying to a mixture which did not contain tincture of opium a false trade description, by which the goods were falsely indicated, and also for selling the mixture. Mr. Turner, barrister, prosecuted on behalf of the Pharmaceutical Society; Mr. C. E. Halliwell appeared for the defendant, who pleaded "Not guilty." Mr. Turner stated that the proceedings were taken under the Merchandise Marks Act. The British Pharmacopœia was published by the General Medical Council under statutory authority, and when a mixture appeared in it that standardised it. The name paregoric must only be used to a mixture as set out in the Pharmacopœia. Mr. H. Heap, M.Sc., public analyst for Manchester, stated that mixture handed to him did not contain any tincture of opium. Mr. Halliwell: Do you know of any preparation described as "Tinct. camph. comp." without opium in it?—No. The defendant, giving evidence, said his teaching was non-poisonous medication. He purchased the mixture from a wholesale firm in Bradford, and in the invoice it was described as "Tinct. camph. comp. sine opii." Mr. Halliwell said that owing to the label on the bottle not having been made out as it should have been, he would have to plead "Guilty." There was some evidence of carelessness. The defendant said that if people went for tincture of camphor they were asked if they wanted it with opium. The sale was very small. Mr. Halliwell said there was no intent to deceive. The Bench decided to fine the defendant £2 12s. 6d. in each case, with advocate's fee £5 5s., analyst's fee £3 3s., and witness's expenses £1 1s., making a total of £14 14s.

Spirit of Nitrous Ether.—At the Mansion House Justice Room, London, on April 20, Lloyd's Pharmacy, Ltd., Leadenhall Street, E.C.3, were summoned, under the Sale of Food and Drugs Acts, for having sold to the prejudice of the purchaser sweet spirit of nitre which was deficient in ethyl nitrite to the extent of 58 per cent. Mr. H. Glyn-Jones, counsel for the defence, said there would be a formal plea of "Guilty." Mr. W. N. Earl, prosecuting, said it was recognised that this was an extremely volatile drug and apt to lose its efficiency. But directions had been circulated as to how it should be kept—in amber bottles, free from light and air, in a cool place. When the spirit complained of was purchased, a bottle was taken from a shelf near an open window. There was not the slightest suggestion of fraud but what was suggested was that there had been a great lack of care. Mr. Glyn-Jones said he pleaded "Guilty" because there was not a sufficiency of ethyl nitrite in the spirit purchased from his clients. This was the most tricky substance a chemist had to handle; the loss of ethyl nitrite was not only due to decomposition, but also

to evaporation, and as they were told in Martindale's "Extra Pharmacopœia," the spirit in ordinary vessels might entirely disappear. Normally it could be lost at the rate of 20 per cent. by simply pouring it from one vessel to another, and he (counsel) felt it hard luck that the first complaint made against this company should be in connection with this elusive article, which was sold exactly as it was supplied. He suggested that the case would be properly dealt with if the alderman ordered the payment of costs. Sir Louis Newton: To mark my sense of the impropriety of the article being sold in this condition, I shall impose a fine of £5 5s., and £2 2s. costs.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

PEARLIDENT CO., LTD. (P.C.).—Registered in Edinburgh April 14. Capital £100 in £1 shares. Objects: To carry on the business of manufacturers' agents, commission agents and dealers in all kinds of tooth pastes, tooth brushes, dental creams, toilet requisites, etc. R.O.: 73 Main Street, Glasgow, C.5.

LEVER BROS. (IRELAND), LTD., was registered as a "private" company in Dublin on April 5, with a nominal capital of £100,000 in £1 shares. Objects: To carry on business as soapmakers, candlemakers, seed-crushers, etc. The subscribers (each with one share) are:—C. H. Brenter, Everfingen, Orwell Road, Rathgar, Dublin (sales manager); James E. Rogers, Ivanhoe Hotel, Harcourt Street, Dublin (works technical manager); D. Burnett, "Glenthorne," Rock Road, Booterstown, co. Dublin (office manager).

SPARKS TREHARNE & CO., LTD. (P.C.).—Capital £500. Objects: To adopt an agreement with H. E. Sparks, and to carry on the business of wholesale and export druggists as formerly carried on by him at 12 Mitre Street, E.C., and at 87 Bute Street, Cardiff, and that of chemists, dentists and opticians. The first directors are:—T. E. B. Desnos, Hillside House, Richmond, manufacturing chemist, and H. E. Sparks, "Cruber Howe," West End Avenue, Pinner, wholesale druggist. R.O.: Carlton Works, Asylum Road, Peckham, S.E.

MR. H. BROOKE ALDER, well known in city circles, has joined the board of directors of the Semprolin Co., Ltd., Carmex House, 18 Leather Lane, London, E.C.1.

PHOSFERINE (ASHTON & PARSONS), LTD.—The lists in connection with the issue of 400,000 8 per Cent. Cumulative Participating Ordinary shares of £1 each at par were closed at 11.55 a.m. on March 23 owing to over-subscription.

BENGER'S FOOD, LTD.—The directors have declared and recommended the following dividends, for the six months ending March 31, 1928:—On the £5 Preference shares at the rate of 6 per cent. per annum, less tax, payable May 1, 1928: On the £1 Ordinary shares at the rate of 1s. 3d. per share free of tax (making 2s. for the year ending March 31, 1928), payable May 11.

J. C. ENO, LTD.—A provisional agreement, subject to ratification by the shareholders, for the sale of the preference and ordinary shares of J. C. Eno, Ltd., has been entered into with Mr. Harold F. Ritchie, of Toronto, Canada. Mr. Ritchie has been the company's agent in Canada for twenty-one years, and also represents the company in many other parts of the world. Continuity of management has been secured and no change in the company's business policy is contemplated. The sale of the company's shares has only been entertained by the trustees of the will of the late Mr. J. C. Eno, for family reasons.

THE DUBARRY PERFUMERY CO., LTD.—The directors' report for the year ending December 31, 1927, again congratulates the shareholders on the satisfactory results of the past year's working which, after making full allowances for depreciation and adding £10,000 to the

reserve fund (bringing that fund up to £60,000), will allow of a dividend on the ordinary share capital at the same rate as last year, viz., 75 per cent. (less tax) and a carry forward of £8,327 18s. 3d. compared with £4,757 6s. 5d. The net profit for the year was £53,811 3s. 5d., to which is added amount brought forward £4,757 6s. 5d., making a total of £58,568 9s. 10d. Against this are the following charges:—Preference dividend for 12 months to December 31, 1927, at $\frac{7}{2}$ per cent. (less tax), £4,799 12s. 6d.; interim dividend on Ordinary shares at 25 per cent. (less tax), £9,799 19s. 10d.; staff bonus, £2,649 12s. 6d.; income tax, £3,391 6s. 9d.; making a total of £20,640 11s. 7d.; transfer to reserve fund, £10,000. This leaves £27,927 18s. 3d., which the directors recommend should be dealt with as follows:—The payment of a further dividend at the rate of 50 per cent. (less tax) on the Ordinary share capital, making with the interim dividend of 25 per cent. (less tax) 75 per cent. (less tax) for the year (£19,600); balance to be carried forward, £8,327 18s. 3d. Mrs. Kate Irene Pears and Mr. Harry Frank Slack retire from the Board, but, being eligible, offer themselves for re-election.

Bankruptcy Reports

Re Charles Ewart Levesley (trading as Adams & Co.), 21 Formosa Street, Paddington, chemist and druggist. This debtor petitioned the London Bankruptcy Court on March 30 and was adjudged bankrupt the same day. The first meeting of creditors was held on April 17 before Mr. E. Parke, official receiver, who reported that it appeared from the debtor's statements in preliminary evidence that he qualified in 1912, and acted as an assistant for two years, when he purchased an established business, carried on as above, for £350, "all in." He had since continued it under the old trading name. The purchase money was found by a bank under a guarantee of his father, who died recently, leaving him an interest in that estate, subject to the life of his mother. The debtor had further stated that he had been short of capital from the start; he served in H.M. Army from November, 1914, until April, 1919, during which period the business was carried on under management; the turnover dropped considerably, and losses were made from which he (debtor) had been unable to recover. On the death of his father the bank, who were creditors for £325, closed the account, and the debtor thereupon filed his petition. He had added that the turnover was about £25 a week; he was under contract with the National Health Insurance Committee of the Ministry of Health to dispense prescriptions for panel patients, and was the dispenser for certain local bodies. No statement of affairs was lodged, but the debtor roughly estimates his liabilities at £700, against assets valued at £465 and he attributes his failure entirely to want of capital. Mr. F. F. Sharles, I.A., 52 Queen Victoria Street, E.C., was elected trustee to administer the estate in bankruptcy.

Private Arrangements

Re R. F. Blankley & Co., Ltd., 24 School Road, Sale, and Danum Pharmacy, High Street, Doncaster, chemists and druggists. The creditors interested herein were called together on April 20 at the offices of March, Pearson and Green, solicitors, Manchester, when a statement of affairs was submitted which showed liabilities of £1,098 18s., of which £1,097 17s. 4d. was due to trade creditors, and £1 0s. 8d. in respect of a bank overdraft. There were also debentures and interest totalling £408 6s. 8d. The assets comprised cash in hand £17 9s. 5d.; fixtures and fittings £355 6s., valued at £100; motor van estimated to realise £5; gas and electricity deposits £3; and stock in trade at cost £750, expected to produce £500; making total assets of £625 9s. 5d., from which preferential claims of £81 5s. and debentures and interest of £408 6s. 8d. had to be deducted, leaving net assets of £135 17s. 9d., or a deficiency as regarded the unsecured creditors of £963 0s. 3d. The issued share capital of the company amounted to £236, so that there was a total deficiency

of £1,199 0s. 3d. It was reported that the company was incorporated on June 18, 1926, with a nominal capital of £500, of which £236 had been issued. In June 1926 the shop at Sale was opened, and a lease taken in the company's name, which would expire on September 30, 1934. The Doncaster shop was opened in December 1927, and a lease of the premises was taken in the name of Mr. R. F. Blankley, which would expire on November 1, 1934. Accounts had been prepared for the nine months ending March 31 last, which showed that a loss on trading had been sustained of £682 18s. 5d., the turnover during the period amounting to £1,145 11s. 1d. An offer was made at the meeting to purchase the company's debts for a sum sufficient to pay 5s. in the £ to creditors, but after some discussion the composition was increased to 6s. 8d. in the £, payable as to 2s. 6d. in the £ forthwith, 2s. 6d. in three months, and 1s. 8d. in the £ in six months, such payments to be guaranteed. After considering the offer, the creditors resolved that it should be accepted. It appeared that one creditor was actually in possession for the sum of £105, and the offer was conditional on their withdrawing their execution and coming in with the other creditors. That they had consented to do in order to allow the other creditors to receive the benefit of the offer. The following are creditors:—Harris & Sheldon, Ltd., £184; Raines & Co., £115; Woolley, James, Sons & Co., Ltd., £104; Brooks, Jos., & Co., Ltd., £110; May, Roberts & Co., Ltd., £55; Kodak, Ltd., £39; Ayrton, Saunders & Co., Ltd., £38; Bourjois et Cie, Ltd., £37; Reuter, R. J. Co., Ltd., £35; Parfumeries de Paris, Ltd., £21; Guest, T., & Co., Ltd., £18; Coty (England), Ltd., £17; Dubarry et Cie, £15.

Wills

MR. MATTHEW CARMICHAEL, of 22 Calderwood Road, Newlands, Glasgow, chemist and druggist, who died on October 28, left personal estate in Great Britain valued at £8,655, 7s. 10d.

MR. ALEXANDER FERRIER DUGAN, of 53 Argyll Place, Aberdeen, chemist and druggist, who died on January 11, aged 66 years, left personal estate in Great Britain valued at £3,865 5s. 10d.

MR. EDWARD COURTENAY, of 2 Queens Terrace, St. Johns Wood, N.W., chemist and druggist, who died on February 9 last, aged 54 years, intestate, left estate of the gross value of £4,677 3s. 8d., with net personalty £3,276 0s. 3d.

MR. JOHN SCOTT, of 33 Bideford Gardens, Whitley Bay, Northumberland, formerly of 9 Clayton Park Road, Newcastle-on-Tyne, chemist, who died on January 21 last, left estate of the gross value of £5,826 16s. 5d., with net personalty £4,186 8s. 11d.

Business Changes

MR. WILLIAM BLACK has opened a pharmacy at 19 Electric Parade, South Woodford, London, E.

MR. R. J. PRICE, chemist and druggist, has recently opened a business at 267 Kentish Town Road, London, N.W.5.

MR. T. F. SHELDRICK, chemist and druggist, has opened a pharmacy at 123 Upper Conduit Street, Leicester.

MR. EDWARD BLYTH, chemist and druggist, has taken over the business of Mr. S. Inglis, Blythswood Pharmacy, Renfrew.

Gazette

Bankruptcy Acts

RECEIVING ORDER

WILLIAMSON, E. F., jun., 31 High Street, Clapham, chemist, trading as Manns Drug Stores.

ADJUDICATION

WHITE, F. L., Empire House, St. Martins-le-Grand, London, E.C., manufacturing chemist.

Pharmaceutical Society of Great Britain

Examination Results

LONDON

THE following are the results of the Pharmaceutical Society's examinations held in London this month:—

	No.	PRELIMINARY SCIENTIFIC				CHEMIST AND DRUGGIST QUALIFYING			
		Absent	Failed	Referred	Passed	Absent	Failed	Referred	Passed
Entered for whole examination ..	11	1	6	4	—	—	—	—	—
Entered for C. & D., and referred subject in Prelim. Sc. only ..	5	—	—	2	3	1	1	—	1
Entered for Prelim. Sc. only ..	517	9	182	108	218	—	—	—	—
Referred subject in Prelim. Sc. only ..	82	1	—	19	62	—	—	—	—
Entered for C. & D. only ..	308	—	—	—	—	8	102	76	122
Referred subject in C. & D. ..	73	—	—	—	—	—	—	22	51
	996	11	188	133	283	9	103	98	174

Referred in one subject:—Botany, 51; chemistry, 59; physics, 23; pharmacognosy, 9; pharmacy, 56; pharmaceutical chemistry, 27; forensic pharmacy, 6; total, 231.

CHEMIST AND DRUGGIST QUALIFYING EXAMINATION

The following, having satisfied the examiners, have been registered as chemists and druggists:—

Abbott, Lawrence, Armley
Adams, A. J., Stoke
Allen-Price, J. A.,
Golders Green
Andrews, P. A., St.
Leonards
Armour, R. M., Gilling-
ham
Armstrong, G., Rothbury
Arthur, J. F., Oswestry
Ash, H. P., Altrincham
Atherton, H. H., Black-
burn
Ayres, Celia M., Cam-
bridge
Bacon, H., Petersfield
Banner, Lilian M., Liver-
pool
Barber, Beryl, Bromley
Barnes, J. F., Ulverston
Baskerville, G., Stockton
Heath
Bass, W. R., Rugeley
Beardsall, E., Keighley
Beck, D. G., Birmingham
Beer, E. A., Powlett
Bentley, R. M., Southport
Berrisford, F. S., Derby
Birtwistle, J., Blackburn
Bissett, Irene S., Lother-
bury
Bradley, Eveline G., Stow-
market
Braund, T. S., Portland
Brock, G. A., Weston-
super-Mare
Cartwright, Dorothy,
Droylsden
Clapham, W. L., Lincoln
Clark, E. A., Slough

Clements, A. T., Plaistow
Cockerroft, R., Huddersfield
Collett, G. H., Leicester
Collis, H. J., Lincoln
Colwell, H. C., Burslem
Corkhill, Evelyn M.,
Ramsey
Cormack, L., Barrow-in-
Furness
Cripps, H. H., Bradford-
on-Avon
Crook, J. H., Welling-
borough
Crossley, J. G., Lower
Broughton
Crowder, J. G., Hull
Davies, N. H., Liverpool
Dey, J. B., Everton
Dickinson, J. C., Catford
Dillon, V. J. T., Liver-
pool
Durrant, A., Walton
Dymond, S. C., New
Tredegar
Edgar, G. H., Stockport
Evans, O. M., Corwen
Evans, R. D., Bath
Everett, G., Birkenhead
Faller, A. G., Lymington
Fleetwood, H., Bootle
Footner, F. W., Penge
Garnett, R. G., Leeds
Gatward, H. G., Epping
Gibbins, Gracelda I., Sid-
cup
Gibson, A. R., Winnington
Gluckman, M., Johannes-
burg
Grant, J. S., Penrith

Greenwood, R. O., Hebden
Bridge
Gresswell, J. J., Beverley
Grimshaw, R., Wigan
Harris, Muriel T., Ealing
Hart, J., Southsea
Hatchard, C. G., Park-
stone
Haworth, Helen, Bolton
Heaton, N., Bradford
Henriksen, R. H., Bootle
Hibberd, B. E., Tisbury
Higgon, D. T., Barmouth
Hill, Marjorie E. W.,
Plymouth
Hornsey, W. A., South-
ampton
Humphrey, W. H., Kensal
Rise
Ives, A. P., Boscombe
Johnson, T. D., Little
Sutton
Jones, D. S., Liverpool
Jones, G. A., Hoole
Jones, J., Barrow-in-Fur-
ness
Kirkham, W., Sheffield
Lawton, Violet A.,
Beckenham
Layland, Iris, Chelsea
Lenton, C. C., Leicester
Levin, S., Pretoria
Lewis, Elsie F., Heswall
Long, Marion Rosina,
Bristol
Loxley, C. C., Wandsworth
Luntz, M. B., Cape
Province
McAvoy, J. C., South
Bank
Marschner, H. M., Carlisle
Marshman, Beryl W. E.,
Lowestoft
Martin, A. H., Bootle
Masters, A., Birmingham
Matthews, J. C., Darran
and Deri
Maudling, W. H., Leices-
ter
Meaby, S. L., Milton
Meredith, S. I., Liverpool
Mitten, C. G., St.
Leonards
Morgan, W. J., Dunstable
Morris, Ellinor S., Bays-
water
Morris, W. J., Swansea
Moss, F. H., Bristol
Naish, B. O. W., Rich-
mond
Newell, B., Ferndale
Newton, Mary, Bath
Nicholas, W. R., Pendeen
Norman, T. R. I., Chel-
tenham
Northwood, E. P., Aber-
ystwyth
Nottingham, R., North-
ampton
Oakes, T. H. F., Hunger-
ford
O'Brien, C., St. Pancras
Page, T. D., Leeds
Palmer, W. A., Kilsby
Pateron, N., Liverpool
Perry, W. L., St. Dog-
maels

Platt, G. T., Blackpool
Platt, H. C., Higher
Broughton
Pope, Eileen M., Sidcup
Powell, C. H., Gorseinon
Power, G. F., Brixton
Price, A., Kings Bridge
Rabjohns, W. T., West-
cliff
Read, A., Oldbury
Reid, M. S., Leyton
Ress, A. G., —
Richardson, S. A., Win-
chester
Rigg, N., Bury
Roberts, Amy, Lower
Bebington
Roberts, G. N., Chester-
field
Robotham, E. H., Little-
over
Samuel, W. G., Aber-
ystwyth
Sargent, C. E., Northamp-
ton
Scantlebury, G., Plymouth
Schreiber, M., Leeds
Scott, A. B., Knowle
Sellars, R., Hendon
Bridge
Sharpe, J. R., Bourne-
mouth
Simpson, E. W., Dundee
Simpson, J., Burnley
Simpson, S. G., Salford
Sirotkin, P., Wallasey
Skeates, F. G., Hounslow
Smith, Florence, Royton
Smith, H., Workington
Stutter, J. H., Brooke
Sutcliffe, H., Green Mount
Taylor, D. R., Hoole
Thomas, H., Swansea
Thomas, J. L., Barmouth
Thompson, C. M., Liver-
pool
Toomer, A. R., Luton
Tregenza, W., Liscard
Turner, J. H., Preston
Turton, T. H. Hargrave,
Stockton-Heath
Tyler, Mary V. W., Car-
diff
Wadsworth, R., Sutton
Walker, C. R., Bradford
Walker, W., Banff
Walling, N. R., Liverpool
Walsh, J. J., Liverpool
Walters, C. P., Neath
Waterson, J. K., King-
williamstown
Watson, C. M. O., Hol-
beck
Webb, F. G., Shrewsbury
Whitby, T. E., Ellesmere
Port
Wilkinson, S. W., Burton-
on-Trent
Williams, E. A., Goodwick
Williams, E. W., Pwllheli
Willmott, Eva A., Ilford
Wilson, W. P. H., New
Cleethorpes
Wollage, R. M., Poole
Wood, J. H., Arnold
Wood, R. G., Liverpool
Woodfine, G., Handbridge

PRELIMINARY SCIENTIFIC AND CHEMIST AND DRUGGIST QUALIFYING EXAMINATIONS

The following candidate was successful:—Small,
Thomas Bakewell, Bournemouth.

EDINBURGH

Major Examination

Four candidates were examined; the following two passed:—G. Agard, Monkseaton, and Edith W. Robertson, Dundee.

Qualifying Examination

	No.	PRELIMINARY SCIENTIFIC				CHEMIST AND DRUGGIST QUALIFYING			
		Absent	Failed	Referred	Passed	Absent	Failed	Referred	Passed
Entered for whole examination ..	3	1	—	1	1	1	—	—	—
Entered for C. & D., and referred subject in Prelim. Sc. ..	3	—	—	—	3	—	2	1	—
Entered for Prelim. Sc. only	213	1	23	49	140	—	—	—	—
Referred subject in Prelim. Sc.	23	—	—	—	23	—	—	—	—
Entered for C. & D. only..	77	—	—	—	—	5	11	22	39
Referred subject in C. & D.	32	—	—	—	—	1	—	9	22
	351	2	23	50	167	7	13	32	61

Referred in one subject:—Botany, 22; chemistry, 28; pharmacognosy, 5; pharmacy, 25; pharmaceutical chemistry, 1; forensic pharmacy, 1; total, 82.

CHEMIST AND DRUGGIST QUALIFYING EXAMINATION

The following, having satisfied the examiners, have been registered as chemists and druggists:—

Alexander, J. B., Kelso	McNeill, W. R., Banff
Beal, G. G., Wallasey	Mitchell, A. D. D., Fin-
Beaton, W. D., Dundee	dochty
Berkin, S., Leeds	Morrall, D. C., Bradford
Brown, J. R., Liverpool	Murray, J. A., Newcastle-
Bunniss, W., Cudworth	upon-Tyne
Crawford, W., Barrow-in-	Owen, A. L., Liverpool
Furness	Parkinson, L., Preston
Cropper, J. W., Blackpool	Payne, R. E., Newcastle-
Cullen, C. S., Liverpool	upon-Tyne
Cumming, H. G., Thurso	Philp, J. B., Edinburgh
Davidson, E., Newcastle-	Rae, W., Edinburgh
upon-Tyne	Ramsay, W. S., Leith
Dewhurst, H. R., South-	Richardson, C. E., York
port	Robb, G. E., Oyne
Dryburgh, A., Coaltown-	Robertson, J. McG., St.
of-Wemyss	Andrews
Duthie, Annie F., Huntly	Robinson, M., Newcastle-
Duthie, J., Fraserburgh	upon-Tyne
Emslie, P., Leith	Sheard, A., Harrogate
English, R. E., Corbridge,	Smales, J. E., Darlington
upon-Tyne	Smith, G. H., Keighley
Gourlay, J., Glasgow	Smith, Jean O., Kilmar-
Hall, J. H., Kelso	nock
Halliwell, G., Scarborough	Springs, R. H., Walla-
Hankey, Ina, Burnley	sey
Hogg, J. B., Glasgow	Stobart, A., Darlington
Holden, W., Stalybridge	Sutherland, D., Campbel-
Hutchinson, C. W., Wake-	town
field	Thompson, W., Johannes-
Ingham, H., Darlington	burg
Jones, W. P., Liverpool	Tinker, R. N., Skelman-
Kay, D. R., Edinburgh	thorpe
Law, Isobel M., Turriff	Walton, Elsie, Sunderland
Legge, J. A., Fochabers	White, W. E., Barrow-
Lowie, J. W., Gardens-	in-Furness
town	Wilkinson, F., Manchester
McGeorge, R. W., Edin-	Williams, H., Corwen
burgh	Williams, R. R., Liver-
McIntosh, G. B., Edin-	pool
burgh	Winter, Jessie G., Leith

Scottish Pharmaceutical Federation

A MEETING of the Executive Council of the Scottish Pharmaceutical Federation was held in Edinburgh on April 17, Mr. A. A. Dick occupying the chair. Among other matters, the following were under consideration:—

The complaint against a member under the Sale of Food and Drugs Acts for selling tartaric acid alleged to contain twenty-eight parts of lead per million in excess of the limit prescribed by the British Pharmacopœia, viz., twenty parts per million. It was reported that the complaint had been dismissed. Reference was made to the magistrate's judgment, which stated, *inter alia*:—"I have gone carefully into the whole evidence and find that the tartaric acid in question was deficient in quality according to the standard of the British Pharmacopœia. If the matter were to end there I should have to find the charge proved and impose a small penalty upon the defendant." (The judgment then refers to one of the grounds of defence put forward, viz., the defence of warranty under Section 25 of the 1875 Act, and also refers to certain English and Scottish cases.) "Now in the present case there is a warranty of a kind, and the question comes to be, is it a sufficient warranty in law? I am bound to follow the decisions of the Scottish Courts on the subject, although I feel, with every respect to these decisions, that they are apt to create a looseness in practice between traders in regard to what is sufficient to constitute a warranty, which is undesirable, and that looseness is present in this case. The defence in this case is that the defendant received the tartaric acid in question from Messrs. Cockburn & Co., who had a warranty from the manufacturers, and Messrs. Cockburn & Co. in turn warranted the tartaric acid. . . . There must be something to connect that warranty with the tartaric acid in question, and that connecting link is supplied by the course of dealing between the parties. There is an implied course of dealing, and that would appear to be sufficient to validate the warranty which the defendant got. The case is very thin on this question, but I have come to the conclusion that in view of the dicta of the Scottish judges in *Chalmers v. Morton* I must sustain it and discharge the defendant from the prosecution. At the same time, if I may say so, I should like to see some more satisfactory form of warranty adopted for use in cases such as this." A letter was also read from the Federation's law agent stating that the judgment was an important one because the defence of warranty, which was sustained, was founded merely on a statement in the printed price list issued by Cockburn & Co., Ltd., combined with a course of dealing between them and the defendant, that this appeared to go further than any case had yet gone on the question of warranty and would seem to validate the defence of warranty in every case where a chemist purchases a B.P. article from a wholesaler whose price list contains a statement that B.P. articles are warranted up to B.P. standard, whereas hitherto it has been necessary to prove a warranty in writing applying to the particular transaction. Notwithstanding the successful defence of warranty in the foregoing case, it was resolved (1) to write to the wholesale drug houses and others and request them to make a practice of putting a note on their invoices to the effect that all goods supplied are in accordance with B.P. standard unless otherwise stated, and (2) to write to the members of the Federation asking them to insist on receiving a B.P. warranty on all invoices for B.P. goods.

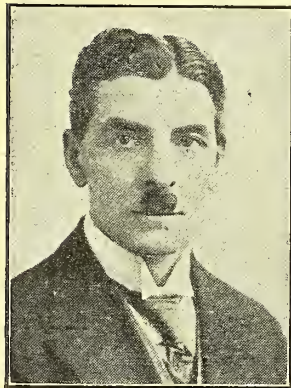
It was agreed that the Federation in conjunction with a large and well-known insurance company arrange general insurances for members, such as fire, loss of profits, burglary, glass, employer's liability, motor-car, personal accidents and illnesses, property owners' liability, fidelity guarantee, etc., it being explained (1) that this matter had nothing to do with the cover of £5,000 indemnity insurance and unlimited law costs thereanent which every member of the Federation enjoyed in respect of each shop, and (2) that it was not compulsory on members to have their general insurances conducted through the medium of the Federation if they did not so desire.

Council Candidates

IN our last week's issue (p. 502) we commenced the publication of the views on pharmaceutical politics of candidates for the seven seats about to become vacant on the Council of the Pharmaceutical Society, pointing out that the varying length of the replies received precludes the adoption of alphabetical or other order of precedence. We now continue the series with the considered opinions of three other candidates.

Mr. Ernest L. Slade

commenced his apprenticeship in 1902, and four years later went to the late Mr. H. Dixon, Russell Gardens, Ken-



MR. E. L. SLADE

sington, London, W., as assistant. He qualified in 1909, after studying at Muter's College, and then entered business, first in partnership at Kew, and subsequently on his own account at Surbiton. Mr. Slade has been a member of the Thames Valley District Pharmacists' Association for many years; he was elected to the committee of the Association in 1926, and since 1927 has been its secretary. Mr. Slade, in reply to our request for a statement of opinion, writes:

My political policy will be dealt with in full by circular to each member of the Pharmaceutical Society. Meanwhile, I may assure each elector of my earnest desire to serve them conscientiously for their benefit with the experience gained from direct contact with a chemist's business for twenty-six years, and would ask their support at the forthcoming election.

Mr. William James Beardsley

was born in 1880 at Bloxwich, near Walsall, and is the eldest son of the late Mr. William Beardsley, a member of the Town Council. Educated at the Walsall Technical School, Mr.



MR. W. J. BEARDSLEY

W. J. Beardsley was apprenticed with Southall Brothers & Barclay, Ltd., Birmingham, under the late Mr. John Barclay, B.Sc., Ph.C., in 1896. In 1903 the post of first assistant chemist to Thomas Hodgkinson, Prestons & King, became vacant, and Mr. Beardsley was chosen out of ninety applicants. Here, under the late Mr. J. Claxson Preston, Ph.C., he developed the manufacture of nitre by a special process. In co-operation with Mr. Preston a formula for a special

uninflammable flooring was brought out, which has been very largely used in London. On the death of Mr. Preston in 1911 Mr. Beardsley was appointed by the firm as chief chemist; he passed the Qualifying examination at Bloomsbury Square in 1912. He has spent much time in improving the alkaloidal estimations of opium, belladonna and nux vomica. On the retirement of Mr. Herbert E. King in 1919 Mr. Beardsley was invited by the remaining partners, Colonel A. C. Preston and Mr. Herbert C. Preston, to join them in partnership. For

some years he has been a member of the West Ham Association of Pharmacists (at the present time being president for a second term of office), and in 1923 he was elected chairman of the East Metropolitan Branch of the Pharmaceutical Society. As a freemason he has had the unique experience of being the first initiate of his lodge and the first exalte of his chapter, Snaresbrook 4010. Mr. Beardsley sends us the following statement of policy:—

During my three years as a member of the Council I have endeavoured to give my best services to pharmacy by close attention to Committee and Council meetings, having served for the whole of my term on the Law, Organisation, Benevolent Fund, and War Auxiliary Benevolent Fund Committees; for the last two years I have occupied the chair of the latter, and this year I was elected to a vacancy on the Science Committee. It has been my desire to infuse enthusiasm into the branches of the Society, and I have personally addressed upwards of thirty meetings in various towns. On this occasion I am soliciting the support of our members together with my colleagues of the Council who are seeking election. It is our desire, with the possibility of the early publication of the Government Committee's report, to ask that your confidence in the Council be endorsed once more at this election, that we may be united in making out and putting up the best possible case for our Society.

Mr. W. Donaldson Lees

is a native of Dundee, in which burgh he was educated at Morgan Academy and Technical College, and served his apprenticeship to Mr.

J. Robertson Milne. After the completion of his term he gained experience as assistant with Mr. W. H. Fowler, Redhill, and subsequently in Cambridge, Reading, Felixstowe and London. He enlisted in September 1914, was invalided out of the Army, but rejoined, ending his active service in Palestine in 1919. Mr. Lees is now managing a business at Haslemere, where he has been for six years. He sends us the following statement:—



MR. W. D. LEES

I think the Council is the only body which should have direct control over all matters concerning the chemist first, second and all the time. To use a very hackneyed expression, the chemist has been "hounded from pillar to post" in the case of the Dangerous Drugs Acts. We really, at the present time, cannot call our souls our own, and it is past time to have all these stupid and utterly ridiculous Acts either amended or repealed. Keeping cocaine and such drugs under lock and key will never under any circumstances prevent certain people from committing suicide. To sum up, there are too many chains on the chemist to-day, and I hope to be one of the blacksmiths who will endeavour to break a few of those chains to give him a little more freedom in the conducting of his business. I should like to see, also, the study of optics form a part of the young chemist's training, as I think the pharmacist is the man most suited to conduct the practice of optics. Being a Scotsman, I regret that the English chemist has not been firm enough stand out for the same terms as his Scotch brother has obtained. This is another item I shall give my support to if elected. I have watched the retrogression of pharmacy with sorrowful feelings, and I think it is time, to use a cricketer's expression, "to stop the rot," and by having more youthful members on the Council I think something might perhaps be done in this way. I ask for votes as one of the candidates who is out to do his bit to make things better for the pharmacist and pharmacy in general.

Trade Notes

G. E. HERNE & Co., 11 St. John Street, London, E.C.3, invite inquiries regarding farina, dextrin, starches and arrowroot.

THOMAS CHRISTY & Co., 4-12 Old Swan Lane, London, E.C.4, have been appointed agents in this country for the products of Kissproof, Inc., Chicago.

LIDINE is the name of a product for tinting the eyelids which has recently been brought out by Morny Frères, Ltd., 6 New Burlington Street, London, W.1.

SANGERS, 258 Euston Road, London, N.W., have issued a new edition of their catalogue of proprietary articles, druggists' sundries, packed goods and photographic materials.

A NEW SIZE OF KARMOID TABLETS (International Laboratories, 10 Phoenix Place, Mount Pleasant, London, W.1) is to be placed on the market shortly. Particulars will be found on another page.

J. & E. ATKINSON, LTD., Southwark Park Road, London, S.E.16, depict, elsewhere in this issue, some of the advertisements which are shortly to appear in English, Scottish and Irish newspapers in connection with their Au Revoir preparations.

J. GROSSMITH & SON, LTD., Newgate Street, London, in their advertisement in this issue call attention to their Oriental perfumes, and the Old Cottage Lavender series of toilet preparations. Further particulars will be sent to C. & D. subscribers on application.

NORCO SAMPLE CASES.—Through the dropping of a letter in the advertisement of Brookes & Sexton, Ltd., 27-29 Green Lane, Small Heath, Birmingham, on page 120 of the 1928 *Diary*, the sentence "For Your Samples" was incorrectly given. Will our readers please note?

ANTIRACHITIC ACTIVATION.—We are informed that Joseph Nathan & Co., Ltd., 56 Osnaburgh Street, London, N.W.1, have secured the rights to the working in this country of Patent No. 236,197. This patent was granted in 1926 to Professor Harry Steenbock, University of Wisconsin, for a process of imparting antirachitic properties to organic substances of dietary value (for example, carbohydrate foods, fats, oils, protein foods, or composite foods), which comprises subjecting the same to the action of artificially produced ultra-violet rays, such as are produced by a quartz mercury vapour lamp, for a period sufficient to effect antirachitic activation, but so limited as to avoid subsequent destruction of the antirachitic principle, including its application to unsaponifiable liquids, and butter substitutes.

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of any British patent can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Butyric Acid.—A process of extracting butyric acid from an alkali or alkali-earth butyrate which comprises treating the butyrate with hydrochloric acid, allowing to stand and separating mechanically the upper layer which contains the major portion of the butyric acid. (Le Franc et Cie, Paris. 276,617.)

Guanidine Derivatives.—Molecular quantities of methyl-amino-ethanol hydrobromide and cyanamide are heated in concentrated alcoholic solution in an autoclave and after evaporation of the alcohol the methyl guanidino-ethanol hydrobromide crystallises in a hygroscopic mass. (Chem. Fabrik auf Aktien, Berlin. 286,196.)

Organic Compounds of Arsenic.—3-acetyl-amino-4-hydroxy-5-aminophenyl arsinic acid, prepared by nitration of 3-acetyl-amino-4-hydroxy-phenylarsinic acid and reduction of the nitro-derivative thus obtained, is treated with chloroacetyl chloride, boiled, the mixture rendered acid with hydrochloric acid, when a crystalline precipitate of 8-acetyl-amino-3-hydroxy-1:4-benzisoxazine-6-arsinic acid is obtained as a white crystalline substance of therapeutic value. (May & Baker, Ltd., London. 278,444.)

Trade-mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1928, p. 329.

(From "The Trade-marks Journal," April 4, 1928.)

- "FERRONYL BRAND"; for medicinal chemicals (3). By H. R. Napp, Ltd., 3 and 4 Clement's Inn, London, W.C.2. 488,075.
- "CALSO MAX"; for antacid and digestive medicines (3). By S. B. Leonardi & Co., Inc., 27 Railroad Avenue, New Rochelle, New York, U.S.A. 488,095.
- "MAGNESIA" across device of wheel with words "PATTINSON'S PRODUCTS" in cogs ("Pattinson's" disclaimed); for magnesia (3) and (42). By The Washington Chemical Co., Ltd., Station Road, Washington Station, Durham. 488,125. (Associated.)
- "HORNOCARDIOL"; for medicinal chemicals (3). By Bayer Products, Ltd., 31-34 Basinghall Street, London, E.C.2. 488,489.
- "RHEUMORTA"; for ointments for rheumatism (3). By S. F. Daley, 12 Northfield, Ashby-de-la-Zouch, Leicestershire. 488,670.
- "CLAMBRA"; for medicated wine (3). By Stokes & Son, Ltd., 5 Whimble Street, Plymouth. 488,831.
- "FOAM"; for shaped glasses for administering medicine (11). By Lilian M. Rowe, 171 Preston New Road, Blackburn. 487,604.
- "MEROXAM" and "BROVIRA"; for photographic papers (39). By I. G. Farbenindustrie Aktien-Gesellschaft, Mainzerlandstrasse 23, Frankfurt-on-Main, Germany. 488,915/916.
- "COOL CARESS"; for mineral waters, etc. (44). By Armour & Co., Ltd., Queen's House, Kingsway, London, W.C.2. 488,855. (Associated.)
- "TAQUINE" ("T" and "E" disclaimed); for cosmetics (48). By Taquine Inc., 124 Des Moines Street, Des Moines, Iowa, U.S.A. 484,117.
- "DI-MISKA"; for toilet articles (48). By Ena E. Ubsdell, 16 Purley Oaks Road, Sanderstead, Surrey. 486,347. (Associated.)
- "MAYDEW"; for face powders and creams (48). By Florence E. Gregory, 26 Colson Road, Croydon. 486,419. (Associated.)
- "LES PARFUMS DE RIVIZ"; for perfumery, etc. (43). By J. Sibeoni, 32 rue Bichat, Paris. 486,429.
- "SKODENT," with device of fantastic bird; for teeth preparations (48). By Aktieselskabet-Si-Ko, Jernbanetorvet 4, Oslo, Norway. 487,568.
- "CYRINIAL"; for bath salts (48). By C. C. F. Forsell, 56 Prince's Park Avenue, Golder's Green, N.W.11. 488,546.
- "PETITE-OBOY" ("Petite" disclaimed); for face powder and rouge (48). By Florence N. Lewis, 681 Fifth Avenue, New York, U.S.A. 488,416.
- "C'EST CA"; for all goods (42). By Ann Somers, Ltd., 3 Newcastle Place, London, E.C.1. 488,637.

(From "The Trade-marks Journal," April 11, 1928.)

- "ROBOVAL"; for sedative medicines (3). By Roberts & Co., 76 New Bond Street, London, W.1. 488,018.
- "SMOKOL"; for medicated pastilles and tablets (3). By S. Haywood, 36 Queensgate, Bolton. 488,362.
- "AQUERATOR"; for sprays for liquids (13). By H. G. L. De Whalley, 30 Beeches Avenue, Carshalton. 487,836.
- "NAPERINE"; for a preparation for the hair (48). By R. H. Pidgeon, 32 Addington Road, Canning Town, London, E.16. 483,456.
- "APHLOX" on oblong shape ("A.L.X." disclaimed); for fireproofing solutions for textiles (50). By Aphlox Co., 46 York Road, Lambert, S.E.1. 488,568.

(From "The Trade-marks Journal," April 18, 1928.)

- "SAPAMIN" for all goods (1) and (47). By Society of Chemical Industry in Basle, 141-227, Klybeckstrasse, Basle, Switzerland. 485,848/850. (Associated.)
- "MAGNESIA" across wheel device with words "Pattinson's Products" in cogs; for magnesia (1). By the Washington Chemical Co., Ltd., Station Road, Washington Station, Co. Durham. 488,124. (Associated.)
- "VIVUS" on circular device; for insecticides (2). By D. & J. Misell, 15 Cooper's Row, Tower, E.C.3. 480,911. (Associated.)
- "ITAMIN"; for all goods (2). By R. Eilersen Aktienselskab, 24 Kronprinsessegade, Copenhagen. 488,595. (Associated.)
- "EYSANTOL"; for pharmaceutical preparations for the eyes (3). By W. F. G. Reeland, Headley, near Newbury, Berks. 486,052.

Marriages

BOWMAN-DIX.—At Christ Church, Sunderland, on April 24, G. E. Bowman, elder surviving son of Mr. and Mrs. William Powell Bowman, Moortown, Leeds, to Isabel Dix, only daughter of Councillor and Mrs. Ernest F. Dix, The Esplanade, Sunderland.

CRISFORD-SAGE.—At the Parish Church, South Bersted, Bognor, on April 18, Frederick James Crisford, chemist and druggist, Eastbourne, to Margaret Jessie Sage, Bognor.

EVANS-EAGAR.—At St. Ann's Church, Dawson Street, Dublin, on April 10, Ernest J. Evans, M.P.S.I., 70 Lower Mount Street, Dublin, only son of Mr. R. H. Evans, 24 Grosvenor Square, Rathmines, to Edna Grace Eagar, daughter of Mr. E. H. Eagar, 53 Church Avenue, Drumcondra.

HARRISON-SHERREARD.—At the Highbury Quadrant Congregational Church, London, N.5, on April 21, by the Rev. A. S. Blackmore, Wilfred Harrison, M.P.S., only son of Mr. A. W. Harrison (Young & Harrison, chemists), to Mona, only daughter of Mr. Sherreard.

OGLE-GIBSON.—At St. Mary's Church, Diss, on April 24, by the Rev. R. L. Whytehead, A. E. Ogle, acting manager, Lloyds Bank, to Muriel, second daughter of Mr. W. T. Gibson, M.P.S., Mere Street.

Deaths

CRAN.—At 64 Ferryhill Road, Aberdeen, on April 15, Mr. John Thomas Cran, chemist and druggist, 99 Victoria Road, Torry, aged fifty-three.

ENTWISLE.—At the residence of his sister, 48 Westbourne Road, Marsh, Huddersfield, on April 15, Mr. Herbert Alfred Entwisle, M.P.S., late of Ossett and Leeds. Mr. Entwisle qualified in 1915.

ROBERTSON.—On April 23, Mr. Robert Robertson, chemist and druggist, 63 Moodie Street, Dunfermline. Mr. Robertson, who was born in Edinburgh, qualified in 1889. After experience in India, he commenced business on his own account in Dunfermline more than twenty years ago. He leaves a widow.

ROBINSON.—At his residence, Ripley House, Streatham Common, London, S.W.16, on April 17, Mr. Charles James Robinson, dentist, chemist and druggist, aged ninety-four.

SCAMMELL.—A cablegram has been received from Australia at the London branch of F. H. Faulding & Co., Ltd., announcing the death of Mr. William J. Scammell, Ph.C., on April 19, after a comparatively short illness, at the age of seventy-one. The late Mr. Scammell was one of the proprietors of Messrs. Faulding, wholesale druggists, and, until his death, managing director of the Sydney branch. Although giving close attention to the business, he had not enjoyed very robust health for some years. His death comes as a severe loss to the other members of the family and the business, coming as it does within eight months of the death of another brother (Mr. F. Scammell) in South Australia. Mr. Scammell is survived by his widow and three sons, two of whom are actively engaged with the firm. He was trained in England under the late Dr. John Muter, and qualified as a pharmaceutical chemist in 1878.

TATE.—The funeral of Mr. James Tate, a past-president of the Pharmaceutical Society of Ireland, whose death was recorded in our issue of April 21 (p. 506), took place on April 19, at Dundonald Cemetery. Mr. W. J. Hardy (vice-president), Mr. H. Todd, J.P. (ex-president), Mr. Fred Storey and Mr. David Kirkpatrick (secretary) represented the Council of the Pharmaceutical Society of Northern Ireland, and other trade friends included Mr. H. F. Moore, Mr. David Warwick (Dublin), and several of Mr. Tate's old apprentices. The chief mourners were Mr. Walter Tate (son), Mr. James Tate (son), Dr. S. Acheson, chemist and druggist, and Mr. A. Kenny (sons-in-law).

Personalities

MR. C. A. CRITCHLEY, Ph.C., has been appointed vice-chairman of the Lancashire Automobile Club.

MR. W. E. FORD (representative of Sangers, London, N.W.1) has met with an accident and is at present in Croydon Hospital with a fractured leg.

MR. J. M. WARE, F.C.S., F.R.M.S. (Lond.), has joined Robertsons, Ltd., Durban, Natal, as chief chemist and factories manager, at their works in Creek Street, Durban.

MR. DAVID A. EVANS has been appointed the official representative of the Bath Chamber of Commerce at the annual meeting of the National Chamber of Trade at Torquay.

MR. R. E. ENTWISTLE, chemist and druggist, who was formerly in business in Accrington, has made good progress towards recovery from the injuries he sustained in a recent accident at Bolton.

AMONG the presents received by Mr. G. E. Bowman, on the occasion of his marriage (p. 536) was a Wedgwood dessert service and a quantity of cut glass from the staff of Goodall, Backhouse & Co., Leeds.

At a recent meeting of the Macclesfield and District Traders' Association, Mr. T. Wood, chemist and druggist, and Mr. E. Brian, chemist and druggist, were elected members of the committee.

THE brethren of St. John's Lodge, 221, Bolton, have presented W. Bro. Percy Knott, P.P.G.D., chemist and druggist, with a gramophone, in recognition of his services as secretary for the past ten years.

COUNCILLOR D. J. BAILEY, chemist and druggist, Blackpool, and **MRS. BAILEY** celebrated their silver wedding on April 14. Congratulations were voiced by the Mayor at the meeting of the Blackpool Insurance Committee on April 23.

IN recognition of his efforts to save the life of the driver of a lorry which caught fire near Bedford, recently, and caused the chemicals on it to explode, Sidney Wagstaffe, Walthamstow, London, E., has been awarded £25 and a silver watch from the Carnegie Fund.

MR. W. H. FOWLER, Ph.C., Redhill, the retiring vicar's warden at St. Matthew's Church, has served for eighteen years in that capacity and for twenty-one years as honorary treasurer of the church finances. At the recent annual parochial meeting Mr. Fowler was presented by the parishioners with a writing table in token of appreciation of his services.

MR. ROBERT POOL, chemist and druggist (Elder & Pool, Ltd., chemists, Newcastle-upon-Tyne and Gosforth), has been elected president of the Northumberland and Newcastle-upon-Tyne branch of the Pharmaceutical Society. Mr. Pool is also a director of Aspol, Ltd., Glasgow. He is an ardent freemason, being a Founder and S.W. Bernicia Lodge, Gosforth; M.O. Gosforth Mark Lodge; and Scribe E. in the Royal Arch Chapter.

AMONG the officers installed at a recent meeting of the Lodge of Good Fellowship No. 3655, at Pagani's Restaurant, London, W., on April 18, were the following who are connected with the drug trade:—W. Bro. J. Keall, W.M.; W. Bro. A. Hope-Darby, I.P.M.; Bro. G. A. Tocher, S.W.; W. Bro. J. W. Quibell, secretary; Bro. T. Marns, J.D.; W. Bro. E. A. Atkins, A.D.C.; Bro. J. W. W. Agnew, organist; Bro. E. Skues, steward. Others present included: Messrs. L. J. Read, F. Darty, F. T. Bowen, W. B. Trick, F. G. Wells, W. K. Somerton, and E. P. D. Bush.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

W/254. Benacol (London supply)	M/264. Lake's crêpe bandages
H/244. Byron's herbal soap	F/226. Banisterin
M/244. Crown brand zinc oxide	G/244. St. John's embrocation
L/244. Donaco electric belt	M/244. White Cross disinfectant.
W/244. Recorsan ointment	

Observations and Reflections

By Xrayser III.

Tablet Analyses,

as recorded in your columns from time to time are instructive, and I have sometimes wondered if all tablet makers know enough about the principles which should guide them. Certainly something more is required than a mere practical knowledge how powders can be prepared so as to lend themselves to compression. It is long years since I learned the simple rule that soluble substances require the addition of something insoluble prior to compression, while insoluble substances need something soluble to facilitate disintegration. Beyond this, however, there are various other points requiring attention before tablets can be made satisfactorily. The general aim should, of course, be the production of tablets which contain an exact dose of the medicament, with as little foreign matter as possible, the disintegration of the product being regulated in accordance with the object the prescriber has in view.

Council Candidates

are sufficiently numerous on this occasion to remove the reproach that members of the Pharmaceutical Society are apathetic or indifferent about the constitution of the executive of their representative body. Such reproach used to be quite common years ago, and I can recall how appeals from headquarters were often made with the object of increasing the number of nominees. At that time, control of the Society's affairs was left in the hands of a limited number of persons, some of whom would gladly have made way for others if their services had been forthcoming. I was then, and still am, a firm believer in the desirability of steady change in the membership of the Council, largely because of the desirability of letting our burdens be shared and increasing the number of those who have had inside knowledge of the work involved. But there come times of stress, when it seems unwise to effect change for the sake of change, and I am of opinion that such a time is here now. Those members of Council who have prepared and presented our case to the Privy Council Poisons Committee should surely be retained in their positions if possible until the crisis is over.

A Delicate Point

is raised by your correspondent who asks for opinions as to the advisability of obliging competitors who may be business friends with uncommon drugs or proprietaries (*C. & D.*, April 21, p. 521). I have had considerable experience of this sort of thing, and am decidedly of opinion that there ought to be limits to it. In cases of emergency or extreme urgency, there should be no question about the desirability of supplying what is unexpectedly required, either on the basis of subsequent replacement, or preferably at a small addition to actual cost. But when other chemists and druggists make a practice of relying upon one for articles which they do not wish to stock for themselves, the sound business policy to adopt is to make an adequate charge for the convenience. In such cases, there ought to be a profit at least equal to what a wholesale house would make upon the transaction. In extreme cases, particularly where no question of friendship is involved, it may be found desirable to charge full retail price for the articles. Even on this basis, the person who asks to be obliged is well off, because he is not compelled to admit inability to supply and to send his customer away dissatisfied.

Conflict

between regulations and laws is aptly revealed by those quotations you give in your "Discussion on Bureaucracy" (*C. & D.*, April 21, p. 510). So far we have escaped actual conflict between National Health Insurance laws and regulations, but there is bound to be something of a conflicting nature ere long unless more money is found by the Government to enable the State to fulfil its obligations to insured persons in a complete and satisfactory manner. Shortage of necessary funds

may tempt the officials at the Ministry of Health to issue regulations which are not fully justified by statute, and there is even now an uneasy feeling abroad respecting the action taken at times by regional medical officers. Some of the latter urge, in fact almost insist, upon practitioners ceasing to prescribe articles which they honestly consider necessary for their patients, though there is no real authority for anything of the kind being done. But doctors get tired of being worried about their prescribing and having to reply to innumerable official letters, so the interests of insured persons tend to become ignored.

The Appearance

of the last instalment (Wi-Wy) of the Oxford English Dictionary, which is celebrated this week, is an occasion upon which a few words in these columns should be appropriate, because my predecessors and myself have at various times consulted its pages for meanings, derivations and histories of words dealing with the art and science of pharmacy. The chief newspapers have given accounts of the beginnings and development of this monument of English philology. The names of the men who planned it and of those who have carried it to so satisfactory a conclusion are well known. As one who has a growing affection for our native tongue, I think I shall express the feelings of many besides myself when I say that I am profoundly grateful for the labours, the persevering devotion, of the men and women who have captured the living English tongue and placed it, in these volumes, within reach of every scribbler, and of every diligent reader, to enable them to disburden their more or less teeming brains, and to assist in the elucidation of the writings of those who have any sort of "worth-while" message for their fellows. A trustworthy dictionary is a necessary part of the literary equipment of every person to-day, and such people, for the most part, I imagine, regard Dr. Johnson's dictionary as the source from which sprang the numerous English dictionaries which have been published since his time. This is largely true; but his was not the first English dictionary. The first word-book in which English words were explained in the English language was compiled by "J. B. Dr. of Physick," otherwise by John Bullokar, who was a physician of Chichester.

John Bullokar's

"An English Expositour, or Compleat Dictionary teaching the Interpretation of the hardest words and most useful terms of Art used in our Language," was first published in 1616, and was reprinted at least seven times during the succeeding century. My copy is of the fifth edition, revised by "a Lover of the Arts." In those days there was less inclination to push one's way into the glare of publicity. Johnson defined a lexicographer as a "harmless drudge that busies himself in tracing the original, and detailing the signification of words." Probably he would have said that the collecting of dictionaries was a harmless weakness. At any rate it is interesting, if not always profitable. In these old word-lists we find the swaddling clothes of our full-grown vocabulary, the evolutionary vestiges of our language as well as forms of speech which later days have discarded as being outgrown. At the end of Bullokar's "Expositour" is a further "small Dictionary, serving for the Translation of ordinary English words into the more Scholastick," from which it appears that the "more Scholastick" term for "a pouring on" is "infusion," for "a pricking" it is "punction," for an "ointment" it is "unguent," for "oiliness" it is "oleosity," and for "a moistening" it is "humectation." Dr. Bullokar gives some curious information which shows he did not confine his attention solely to philology. He says that "Cantharides is a sort of fly in Italy, appearing in the day-time, of a green shining colour, but in the night they appear like flying glow-worms with sparks of fire in their tails." His derivation of "avoir-du-pois" might have been expressly devised as an aid to pharmacists, for he says "it signifies in French to have weight, because this pound (which containeth 16 ounces) hath more weight by 4 ounces than that which is called *Troy-weight*, which containeth but twelve ounces to the pound."

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Editorial Articles

The Budget

POPULAR opinion identifies Mr. Winston Churchill with a certain boyishness of disposition, and, as we all know, it is a special characteristic of youth that it fixes its attention in a spirit of eager hopefulness on the things of the future. It will perhaps, therefore, be thought to be more than a mere coincidence that the chief of the Chancellor's Budget proposals should be those whose full bearing and effect can only be clearly appraised in the years which lie before us. The provisions made for the initiation of a reform in our whole rating system and the recasting of our sinking-fund arrangements for the repayment of the nation's debt (by which Mr. Churchill looks forward to the whole being wiped out in fifty years' time) are undoubtedly the outstanding features of the Budget. The object of the rating reform proposals is the relief of agriculture, railways and certain other basic industries, and the scheme outlined cannot be said to be otherwise than generous to the industries affected. Agricultural land and buildings are to be totally exempted from rates, and a reduction of 75 per cent. will be made in the assessments to rates of industrial premises, railways, docks and canals. It goes without saying that the amount of the rates involved in this concession must be made up to the local exchequers from some other source; and the proposal is that the National Exchequer shall be drawn on for this purpose. To meet the call thus made, which the Chancellor anticipates will amount in a full year to no less than £30,000,000, new revenue has to be found, and for this recourse is had to a new Customs tax on certain light oils which are used chiefly for motor-transport purposes and lighting and heating. This tax is to be levied at 4d. per gallon on imported light oils, which it is estimated came into this country last year to the formidable extent of one thousand million gallons. The Chancellor's proposal for this tax is sure to meet with adverse criticism from more quarters than one. As there will be no countervailing Excise duty on similar oils produced in this country, the tax will be frankly protective and as such condemned by the unyielding free trader, all the more so, no doubt, because it has for so long been the practice to regard

Mr. Churchill as a confirmed free trader. Then, too, the motorists, to the number of 900,000, who recently petitioned for the introduction of a tax on petrol can hardly avoid a keen feeling of disappointment at the outcome of their movement. In asking for the reintroduction of the petrol duty, the users of motors clearly contemplated that there would be a corresponding remission of the horse-power licence duty at present in force. The concession made by the Chancellor in this direction seems altogether inadequate, although no doubt his failure to come up to what was expected of him can be justified by the position in which he finds himself. As to the larger of the two proposals—that for rating reform involving concessions to agriculture and other industries, while the main conception seems commendable, it is impossible to shut one's eyes to the fact that its success must depend in the main on a reconstruction of our local government machinery, which would be approached in different ways by persons of different political complexions. And it is, of course, impossible to ignore the fact that when local authorities are entrusted with the spending of money which comes to them in the nature of a windfall from the Imperial Exchequer, they are not naturally inclined to be over-careful in its expenditure. The experiment seems, however, to be worth making, and even should it not meet with the success expected by its author, it cannot fail to furnish a useful lesson in the art of adjusting the financial relations of the local authorities to the Imperial Exchequer. Passing over the question of high finance involved in the arrangement for the issue of currency notes by the Bank of England—an incident, by the way, from which the Chancellor gets a useful windfall—and the comparatively unimportant taxes on mechanical lighters and British wines, we come to the remissions of taxation which, however small, are always a welcome feature of the Budget scheme. The duty on imported sugar is proposed to be reduced on a scale which it is hoped will not only give relief to the British sugar refiner, but will actually reach the housewife in the shape of a farthing in the pound on the retail price. It is to be hoped that it will, though it must be remembered that remissions of duty, unlike increases, have a habit of sticking on their way down to the consumer. The other important concession of taxation made by the Chancellor is wholly commendable. Relief is given to an income-tax payer in respect of taxation for a first child at £60 and at £50 for each subsequent child. To a father of two children this means a remission of £11 in income tax—a benefit for which many struggling income-tax payers must feel grateful. In view of the many declarations made during the last few months by Mr. Churchill that he would not be in a position to make remissions, it would be unreasonable to express disappointment at the actual outcome of the Budget though that does not reconcile us to the position of having to bear our present crushing burden of taxation.

The Turpentine Market

ALTHOUGH the market for American turpentine in the course of February displayed remarkable resistance to subduing trade influences, chiefly due to adverse American weather reports, and the expectation that new crop operations would not be initiated until about mid-April, its tendency to decline became more accentuated since the end of March. Somewhat more favourable crop advices were then announced, and a commencement was made with the new crop in the earlier part of the month, this being sooner than indicated by early forecasts. This news made a quick impression on market sentiment, so that with a more cautious demand, prices soon dropped to well under 40s. per cent. for spot delivery, in spite of the remarkable improvement which has taken place in the statistical position on both sides of the Atlantic.

The rather bullish views entertained in the earlier part of the year, which were not only based on the stimulus imparted to the consumptive demand during a long period of comparatively low prices, but on the reports freely circulated as to a cutting down of operations in the new season by at least 20 per cent., could not be long upheld. Indeed, market gossip of late has been tinged with a certain amount of pessimism as to the absorption of the old crop surplus carried into the new season, pending more definite reports relating to the alleged curtailment of operations at the source. Evidently there is some suspicion lest this curtailment may not be so drastic as had been suggested from more or less authoritative sources. Presumably old stocks nursed on the other side are not so formidable as some are apt to assume, while there seems to be a belief in certain quarters that first-hand holdings were already reduced by the end of the first quarter to quite manageable proportions. So far as can be gathered, the crop movement, although sluggish at the outset, is now proceeding on normal lines; and according to recent private reports the current receipts are being fairly well absorbed at the gradual concessions which have been made, probably with the object of guarding against an accumulation of supplies. In the earlier part of March, there was a recount of old stocks at Savannah, which resulted in some 7,000 barrels less being found actually available, which, with limited supplies coming forward helped to hold up prices over a certain period at around 40s. 6d. Lately, the spot quotation marked a new low record for the current year down to 38s. per cwt., as reached on Wednesday, so that there has been a depreciation of 4s. 9d. per cwt. from the highest figure (42s. 9d.) that was conceded towards mid-January, which compares with 34s. 6d., the extreme lowest touched last year or for many years. The sagging on this side has been more or less in line with the trend of the American markets. There has not been a great deal of life in the trade demand there for some few weeks past, in spite of the more optimistic forecasts circulated about the industrial outlook. It is also not improbable that the filling of consumers' needs will continue chiefly from hand-to-mouth unless sentiment becomes influenced by crop considerations. Apart from the curtailment policy which is supposed to have been adopted, the fact that weather conditions this year have been by far less favourable than last season, should, in itself, result in a substantial contraction in the yield from the astonishingly high returns secured in the preceding campaign. This, based on an estimated increase of about 33 per cent. over 1926-27, would amount to 678,000 barrels, and thus be practically equal to the 1913-14 yield. The past season was a disastrous one for producers, with the price falling to the lowest point seen for thirteen years. There is no doubt that earnest endeavours will be made this season to curtail production in order to bring about an adjustment between supply and demand, so as to at least consolidate the market at around the current level. Meanwhile, the statistical position at this end is steadily improving with the weekly deliveries since the beginning of the year, representing an average of about 2,000 barrels; and the stocks up to mid-April experienced a shrinkage of roughly 26,000 barrels. According to a trade authority, the London returns covering the week ended April 14, with comparisons for the three previous years, were as follows:—

Barrels	1925	1926	1927	1928
Deliveries	1,400	2,849	2,552	1,909
Deliveries since Jan. 1	28,824	36,620	42,644	29,628
Stocks	18,433	25,044	34,513	39,507
Current price (per cwt.)	70s. 3d.	63s. 6d.	45s. 6d.	38s.

As there were no supplies either afloat or landing at the period mentioned, the stocks given constituted the London visible supply with the exception of the year 1925, when the latter amounted to 18,933 barrels. The

available stocks are sufficient to meet full average home needs for over four months, or well into August, so that the absorbing capacity of the London market is bound to be restricted yet awhile as regards new American crop spirit, although certain quantities will probably eventually be directed to this side on consignment on behalf of American producers. Market prospects are, therefore, obscure, but not very promising, with dealers generally disinclined to shoulder new risks until some idea can be formed of this season's yield. Since writing the above the Chancellor of the Exchequer has placed a duty on turpentine, which is in active competition with white spirit, also dutiable. Prices quoted do not include the Government tax, which is for buyers' account.

In Praise of Imhotep

IN a recent issue of the "British Medical Journal" Dr. Jamieson B. Hurry urges the claims of Imhotep, an Egyptian physician, vizier, architect, astronomer and priest, to be regarded as the tutelary deity of medicine. Dr. Hurry mentions as rival candidates Ea of the Babylonians and Assyrians, Dhanvantari of the Hindus, Vere-thraghna of the Iranians, Eshmun of the Phoenicians, and Asklepios of the Greeks and Romans. The evidence of the earthly career of these competitors is, according to the author, usually "of the flimsiest description." It thus remains to be explained how the last-named has secured a monopoly, if not a permanent one, in the esteem of the civilised world. The cult of Asklepios extends, apparently, not much further back than the writings of Homer; and although the poet refers to him as a "blameless physician," and as the father of two physicians who were heroes, most historians assign to him a mythical origin. Yet, by the time of Alexander the Great, more than 300 temples were dedicated to Asklepios; and Rome continued what Greece had begun. The fact that Western culture is so largely based on that the Greece and Rome suffices, Dr. Hurry thinks, to account for the neglect of Imhotep, a real personage born about 3000 B.C. at Ankhtowe, a suburb of Memphis. In his pedigree there were twenty-three ancestors or descendants who, like himself, were architects—a fact suggesting that if medicine has no need of him as its emblematic divinity he may find a resting-place elsewhere. Numerous representations of him are in existence, and in 1926 Dr. Hurry devoted a book to his career. Shortly after his death he was raised in Egypt to the rank of demigod, and ultimately (about 525 B.C.) to that of deity of medicine, worship of him continuing for several centuries.

Westminster Wisdom

Notes on Parliamentary Matters.

MATERNITY AND CHILD WELFARE CENTRES

The Minister of Health (Mr. N. Chamberlain) informed Mr. Palin, on April 19, that the total number of maternity and child welfare centres known to his department was 2,635 at the beginning of the present month, as compared with 2,575 at this time last year.

NATIONAL HEALTH INSURANCE

Sir Kingsley Wood, in reply to a question by Sir R. Thomas, on April 18, stated that the average cost of drugs and appliances per insured person during 1927 was approximately 29.5 pence in Wales and 35.1 pence in England. In reply to a further question, the Parliamentary Secretary to the Ministry of Health expressed the opinion that one of the reasons for the lower cost per head in Wales may be the large number of persons receiving treatment for minor complaints.

New Insurance Dispensing Regulations

THE Ministry of Health has issued to Insurance Committees the text (Form G.P. 63) of the revision of terms of service for persons supplying drugs or appliances, together with an explanatory memorandum (I.C.L. 659). The new Regulations may be cited as the National Health Insurance (Medical Benefit) Regulations (No. 2), 1928. Omitting an introductory paragraph, the text of the memorandum is as follows:—

The amendments to the Regulations affect Insurance chemists only, and are, in the main, alterations designed to assist in safeguarding the position of the chemists under the agreement concluded last year between the Minister and the Retail Pharmacists' Union with regard to their terms of service and payment. Amending Regulations affecting Insurance practitioners are in course of preparation, and will be issued separately in due course.

The amendment to Article 67 will ensure that an inquiry must be held under Part VII of the Regulations if the Retail Pharmacists' Union make a representation for the removal of a chemist from a Committee's list. As Committees are aware, previously it would have been optional to the Minister to hold an inquiry or not in the case of such a representation.

The principal effect of the amendment to Clause 2 of Part I of the Third Schedule will be that of requiring that three months' notice must in future be given by Committee to persons, etc., supplying drugs and appliances in the case of an alteration made by the Minister in the drug tariff.

The amendment of Clause 4 of Part I of the Third Schedule gives effect to a strong desire of the Retail Pharmacists' Union that the Chemists' Fund should be specifically protected against having charges imposed on it owing to inducements offered by chemists encouraging insured persons to present prescriptions to them. It will be seen that the amending regulation provides that no inducement or consideration shall be given to an insured person in respect of an insurance prescription.

Under the new proviso to Clause 6 of Part I of the Third Schedule a chemist will be, in future, under no obligation to supply any drug or appliance for which a bottle or other vessel is required, unless either a suitable bottle or vessel is produced or the requisite deposit is paid. This will safeguard the chemist when dispensing, for example, a scheduled poison, if the container produced by the insured person is unsuitable for the purpose. Without the proviso the chemist might in such a case be in the dilemma of having to contravene either the provisions of the Pharmacy Acts or, if he himself supplied a container and charged a deposit, the Medical Benefit Regulations.

As regards the amendment to Clause 9 of Part I of the Third Schedule, it is no longer necessary to provide for tests under the Foods and Drugs Acts of drugs and medicines dispensed on Insurance prescriptions in view of the fact that Committees have now well-established drug-testing schemes of their own which are sufficient for the purpose.

Under the amendment to Clause 2 of Part II of the Third Schedule Committees are required to afford reasonable facilities for examining prescription-forms not only, as previously, to the individual chemist who supplied drugs or appliances in accordance with such prescriptions, or to the Pharmaceutical Committee, but also to the Retail Pharmacists' Union. The object of the amendment is to give the central body representing the chemists the same rights of scrutiny as are already possessed by their constituents.

The amendment to Article 24 (c) has already been referred to in I.C.L. 631 D, issued to Committees on December 1 last. The amendment carries out a recommendation of the Pharmaceutical Distribution Committee that the actual cost of ingredients and appliances should be made a first charge on the Chemists' Fund and that any discounting of chemists' accounts that may be required in connection with the revised method of payment should operate in respect of dispensing fees.

Insurance Terms Discussion

A REPRESENTATIVE meeting of the Anglesey, North Carnarvonshire and Colwyn Bay Branch of the Pharmaceutical Society was held at Bangor on April 18, Mr. M. W. Lloyd (Colwyn Bay) in the chair, to hear and discuss an address by Mr. G. A. Mallinson on "The Present Position and Future Prospects of the National Health Insurance Question."

Mr. Lloyd (chairman of the Branch) welcomed Mr. Mallinson to North Wales. He (Mr. Mallinson) would find a very live association. In the attack that was likely to follow the speech he only made one condition—that there should be no hitting below the belt.

Mr. MALLINSON said he did not come there in any apologetic frame of mind. He wished it to be clearly understood that they at headquarters did not resent criticism—they welcomed it—but they did object to abuse. He welcomed the spirit that had been shown in North Wales. Dealing with the origin of the present condition of N.H.I. affairs, he wished them to realise that it was a result of the big strike and unemployment. The Government pledged themselves to economise. The sum of 13s. per head per insured person was allowed for N.H.I. treatment and medicines; of this, 9s. went to the doctor, 6d. for administration, 6d. for sundry expenses, and 3s. for the drug fund. The latter was a moveable figure. The 3s. was not sufficient. The Government realised it was not fair to the chemist, but conditions forced their hand. He wished to make it clear there was no question of a threat. It had been asked, "Why did you not bring pressure to bear on the Ministry and get more money?" Their weakness was that they had to get what they could by argument and negotiation. If they refused, the Government would give the work to doctors' dispensaries. They had always had to depend on negotiation, and for twelve years they had been fairly successful.

They did not see the Minister but the officials. Past experience proved that the Minister always relied on his officials. It was not that they did not put their case forcibly enough. Negotiations were never completed in one sitting. After the case had been stated the whole matter was turned over by the Minister to the officials, and cold, hard facts and figures decided the issue. Mr. Mallinson pointed out that they had been given a guaranteed minimum of 2s. 9½d. per head. This was important, as under the old arrangement others had a pull on the 3s. Chemists had control of the drug fund. If they made it pay they benefited; if not, they could discontinue the contract in 1929, though if it succeeded they had a five years' contract. They were taken out of the atmosphere of the annual bargaining. The average for 1927 showed a discounting of 6 per cent. off the total bill, or 12 per cent. off the fee, equal to a ½d. cut. He expected that 1928 would give the full fee.

Touching on the question of the suggested separation of Wales from England, Mr. Mallinson said that it did not matter to the R.P.U.—they had no feeling for or against; but he advised against it, as the Welsh chemists would be worse off. Wales was an extravagant area. Once commence the policy of separation, what was to prevent South Wales dividing from North Wales, and one area from another? The end would be chaos. The future depended upon the members: leaders could do nothing unless they were granted power, and that power the obedience of followers; this was the greatest strength, the strength of a united membership. The policy of the R.P.U. was always the same—doing all they could to help and support the chemist. During the period the R.P.U. had been in existence it had done much through their support, and if that support continued during the next four or five years they would have nothing to fear. (Applause.)

Discussion

Mr. W. A. ROBERTS (Llandudno) said he wished to thank Mr. Mallinson and also Mr. Martin for their presence that afternoon, and for Mr. Mallinson's lucid address. He regretted that Mr. Lloyd had spoken of an attack on the R.P.U., as he had always supported the Union, and would continue to do so. He had been present at the conference of delegates, and quite sympathised with their decision as being the best at the moment. But

he was convinced that if Wales was separated from England they would make the drug fund pay, as it was the heavy spending in England was responsible for the deficit. He quoted the figures of Manchester and Oldham, and compared them with Cardiff and Swansea. The average cost in England was 35.9d., and Wales 32.5d. Under the present system Wales was charged unfairly, and he instanced the mileage charge, England being 4½d., while Wales was charged 10½d. He would ask Mr. Mallinson why the doctors were allowed 3d. extra in 1927, and the chemists discounted. The Carnarvonshire Insurance Committee was in sympathy with the plea for separation. In their interview with Mr. Lloyd George he (Mr. Lloyd George) expressed surprise that the chemists should be discounted, and advised publicity and pressure on members of Parliament.

Mr. L. G. WOOD (Deganwy) said that while he endorsed the welcome accorded to Mr. Mallinson and Mr. Martin, he was of the opinion that some wholesome criticism might ginger up the activity of the R.P.U. Any union which had an organisation and a leader looked forward to the leader or the executive bringing about within reasonable time some results whereby those they represented obtained a tangible benefit. He failed to see any such justification for the existence of either Mr. Mallinson or the R.P.U.; instead of benefits, it had been a history of decrease and disorganisation. Had the R.P.U. had a sane and strong policy, all the chemists of England and Wales would have been behind it. It was not for the rank and file to make a policy, it was for the leaders and the executive. He considered the policy of the R.P.U. and their management of the negotiations was extremely weak. In fact, Mr. Mallinson himself had admitted it to be so. When the scheme was first promulgated the pharmacist was undoubtedly better off; he received 33½ per cent. on goods supplied, and a dispensing fee. Although the chemists had carried on loyally for some time, the R.P.U. must not think that it was on account of their being satisfied. It was simply the fact that when a better state of conditions arrived in the country there would be an improvement in the fee. Could Mr. Mallinson or the Executive expect anything else but the most violent attack, when instead of that advance a 33½ per cent. discount had been arranged to make solvent a bankrupt drug fund. On top of the soreness caused by this, insult was added to injury by making the chemist bear the whole burden of the loss, on the specious promise that at some future date they would receive their money back, or, at least, the fee paid in full. He (Mr. Wood) would ask Mr. Mallinson if he had even heard of the man whom they wished to get rid of, when the plate of poisoned soup was put before him, while the executioner stood by him with the sword: "Eat your soup or off comes your head." (Loud laughter.) That was exactly the position of the poor pharmacist. A more iniquitous imposition, a more abominable indignity, had never been foisted on a community of respectable, educated and loyal taxpayers in the history of the British Isles. (Cheers.)

Mr. D. A. DRYAN (Penmaenmawr) agreed with Mr. Wood. He said that public opinion through lack of knowledge as to the exact situation was against the chemist. A customer in his pharmacy had said, "You do not wish to supply the working man with his medicine." He challenged Mr. Mallinson to put down a substantial sum for the Benevolent Fund, and he would do the same if he would take the price allowed to-day to the chemists for a pound of wool *plus* the fee to any firm of accountants and ask them if they considered they could pay overhead charges and carry on a business successfully. The answer would be, "Bankruptcy in a very short time." Even contracts from public bodies were better. He contended that the R.P.U. as it existed at the present was moribund—in fact, chloroformed. After profound thought he had come to the conclusion that pharmacy was neither a profession nor a business—it was a tragedy. (Cheers.)

Mr. EVANS (Bethesda) said he had listened carefully to Mr. Mallinson's speech but failed to notice any reference to the future. What did the R.P.U. intend to do at the end of the present contract? Had they a programme and, if so, what was it? Was it not time

they looked after the doctor who dispensed and took advantage of the mile area to take the customer from the chemist? He suggested that in the future the area be increased to five miles, and that better terms be pressed for in the new arrangement to be made in 1929.

The CHAIRMAN called upon Mr. Mallinson to reply.

Taking the speakers in turn Mr. MALLINSON advised Mr. W. A. Roberts to distinguish between the interests of the Insurance Committee and the chemist. As to the mileage figure, that was due to the mountainous condition of Wales. Mr. Lloyd George had not shown much sympathy with chemists in 1914, 1915 and 1922. Mr. Wood complained that he (Mr. Mallinson) had no policy; as far as he could see, neither had Mr. Wood. His own policy had always been the same—to do all he could for the retail chemist. He had no faith in public opinion. Mr. Bryan had a greater faith in public health committees than he had. His experience was that they cut one down to the last penny. Mr. Mallinson closed by referring to the late Sir William Glyn-Jones. He had had the honour of working with him for some years and always admired him. This generation would not be able to estimate the great work Sir William Glyn-Jones had done for pharmacy. In spite of Sir William Glyn-Jones's energy and eloquence, they did not get all they wanted. The policy for the future would be what they made it. It was for the branches to say whether to discontinue the present scheme or not. They could send delegates to the conference, which would probably be held in July, to consider that matter.

The CHAIRMAN intervened, as time was getting late. He had overlooked introducing Mr. Martin, whom they were glad to see with them.

Mr. MARTIN spoke briefly. He, as chairman of the R.P.U. Executive, took all the blame for any decision they had come to. Mr. Mallinson had carried out their wishes. It was no use blaming the Executive. The R.P.U. was what the private member made it. If they had any policy, let them bring it forward into the common stock.

A vote of thanks to Mr. Mallinson and Mr. Martin was proposed by Mr. W. A. Roberts, and seconded by Mr. Bowen.

Tom Spring and his Liniment

THE eminently serious pages of the Dictionary of National Biography are enlivened at one point by the cross-reference "Spring, Tom . . . see Winter, Thomas," an allusion to the fact that the pugilist who began life as Thomas Winter chose Tom Spring as his professional name. He was born in 1795 at Witchend, Herefordshire, where his father was a prosperous butcher. His career in the ring led him to the championship of England: after resting for two years (1821-23), he again appeared with success for about twelve months, finally retiring in the middle of 1824 with tokens of esteem presented by subscription. He is described as possessed of a fine figure, remarkable features, and a high character. Like Sir James Barrie's Crichton, he spent his retirement as the landlord of a tavern; he died at "The Castle," Holborn, in 1851, and was buried in Norwood Cemetery. The father of Spring having been a butcher, it is not surprising that a liniment containing ox bile has become associated with the prize-fighter's name as a domestic remedy for sprains and bruises. More than thirty years ago, in a West End area associated with sport of various kinds, a liniment named after him was prepared by mixing fresh ox bile with methylated soap liniment in the proportion of one in four or one in five, leaving to stand a few days, and filtering. A variant on this method is to reduce the soft soap and camphor by half and use isopropyl alcohol in place of industrial spirit. The ox bile should, obviously, be as fresh as possible.

TOILET SOAP (including shaving) was imported direct from Canada into the Irish Free State in 1927 to the value of £11,761, compared with £5,604 in 1926.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts.

ENGLAND AND WALES

Local Reports

Derbyshire.—Reports on the testing of drugs presented to the Insurance Committee, included one in which the analyst certified inaccurate dispensing. The chemist's explanation was that he had personally prepared a bulk preparation of sodium bicarbonate for use during the day, as considerable quantities were ordered locally, and while he was attending to another customer his junior assistant dealt with the script without referring to him. He gave a definite undertaking that unauthorised dispensing by the assistant should not occur in future, and this was accepted. In another case the analyst had discovered deficiency in two ingredients, and the chemist stated that the sample was dispensed from a stock mixture which had since been discarded. The Committee censured him in view of the fact that all chemists in the county had been advised on numerous occasions not to dispense from stock mixtures.

Lancashire.—The report of the Pharmaceutical Service Subcommittee to the Insurance Committee, dated April 1928, states that since the last meeting the analyst's reports in fifty-eight cases of test dispensing had been considered and three cases were regarded as unsatisfactory. In two cases consideration was deferred pending information as to source of supply. The three cases of alleged inaccuracies in dispensing were: (1) R/Ammon. carb. gr xxxij.; tinct. camph. co. w240; aq. chlorof. ʒiv.; inf. senegæ ad ʒviij. The analyst reported that there was an excess of 30 per cent. of ammonium carbonate. The analyst stated that the standard of strength for ammon. carb. in the B.P. is a minimum one only, and the excess above recorded is based on that requirement. A small part of the excess recorded could be attributed to the use of a good fresh product for the preparation of this medicine. The chemist, who did not attend before the Subcommittee, stated in a letter that the only reason he could give for the excess of ammon. carb. was that it being such an unstable preparation he always made a point of erring on the safe side and giving good measure. The solution used by him was made from ammon. carb. resublim. and was made often to ensure maximum strength. It was recommended that the chemist be cautioned. (2) R/Sod. salicylas. ʒij.; aq. menth. pip. ad ʒviij. The analyst reported that the percentage deficiency of sodium salicylate was 23.5. The chemist stated before the Subcommittee that he was perfectly satisfied with the sodii sal., which he receives from the wholesale house in paper bags in flake form. He did not desire to submit the independent analyst's certificate. It was recommended that the chemist be warned. (3) R/amm. chlor. gr. 80; tr. gelsemii. ʒj.; glycerin. ʒss.; aq. ad ʒviij. The analyst reported that the sample showed a 12.8 per cent. deficiency in ammonium chloride and 23 per cent. excess of glycerin. The chemist said he could give no explanation of the discrepancies. It was recommended that the chemist be cautioned.

Warwickshire.—At a meeting of the Medical Benefit Committee of the Insurance Committee, on April 3, the clerk reported that certain prescriptions ordering a preparation which the Insurance Committee had previously decided was a food had, in accordance with that decision, been disallowed by the Pricing Office. Mr. C. Davis, secretary of the Pharmaceutical Committee, drew attention to the fact that in each of these cases the chemist who supplied the article ordered on the prescription had to bear the loss incurred, and expressed his opinion that some means ought to be found to deal with the writers of these improper prescriptions. Mr. Davis further brought to the notice of the Committee cases in which Thermogene, adrenalin, gauze and other prescribed appliances had been ordered at the expense of the panel chemist who inadvertently supplied them. The representatives of the Panel Committee objected to the prescriber being held responsible. After some discussion it was agreed that representatives of the Panel and Pharmaceutical Committees should meet and endeavour to find a solution of the difficulty.

Italian Foreign Trade

A DECREASE in value both in imports and exports for the year 1927 compared with 1926 is shown by the official statistics recently published by the Italian Minister of Finance. Imports into Italy during 1927 were valued at 20,369,285,489 lire, this amount being less than the 1926 value (25,878,856,807 lire) by 5,509,571,318 lire. Exports from Italy in 1927 amounted to 15,615,379,278 lire, the amount in 1926 being 18,664,519,668 lire. The excess of imports over exports in 1926 and 1927 is given as 7,214,337,139 lire and 4,753,905,211 lire respectively. Imports from Great Britain into Italy were valued at 1,821,238,510 lire, while exports amounted to 1,527,587,196 lire. The amounts and values of the most important commodities exported in the commerce with Great Britain are:—Olive oil, 326,600 kilos, 2,854,889 lire; mercury, 167,400 kilos, 8,677,789 lire; sulphur, 70,697,800 kilos, 26,868,594 lire; citrus oils, 228,638 kilos, 25,551,901 lire; cream of tartar, 1,073,400 kilos, 8,507,641 lire; tartaric acid, 674,200 kilos, 7,367,356 lire; calcium citrate, 2,103,600 kilos, 12,331,034 lire. The grouped value of imports and exports is given:—Oilseeds, oils, fats, waxes, imports 1,085,091,760 lire, exports 320,216,959 lire; chemical and medicinal products, resins, dyes and manures, imports 1,631,710,808 lire, exports 575,684,737 lire. The latter section includes imports of essential oils, perfumery, soap and candles, 46,873,560 lire; inorganic chemical products, 144,006,537 lire; organic chemicals, 70,221,323 lire; medicinal and pharmaceutical products, 47,231,931 lire. Pharmaceutical preparations to the value of 2,856,442 lire were imported from Great Britain. The total exports of castor oil amounted to 1,552 quintals, valued at 1,096,678 lire; olive oil exported was valued at 96,221,176 lire (91,887 quintals). The following table gives the imports and exports of commodities of interest to our readers for 1927 compared with the previous year, based on the official statistics. The amounts are given in kilos except where otherwise stated:—

	Imports		Exports	
	1926	1927	1926	1927
	Kilos	Kilos	Kilos	Kilos
Cocoa butter	410,700	538,400	1,300	37,500
Copper sulphate	8,238,200	12,799,500	8,086,000	10,825,600
Cream of tartar	—	6,000	1,902,800	1,263,200
Great Britain	—	—	1,394,700	1,073,400
Cyanides of potassium	96,700	149,300	200	600
and sodium	12,300	34,000	700	600
Ether	—	—	—	—
Ferrocyanides of potassium, sodium, calcium	133,400	186,100	14,600	5,500
Ferrous sulphate	39,900	10,000	32,000	80,900
Formaldehyde, 40%	31,200	125,500	8,700	400
Ginger	1,700	1,600	—	—
Glucose, liquid	391,200	474,500	12,000	1,200
Glucose, solid	3,300	22,400	2,000	100
Glycerin, crude	495,400	439,400	694,500	366,500
Glycerin, pure	357,100	255,300	3,200	63,800
Honey	2,500	4,800	67,700	18,100
Hydrogen peroxide	205,500	170,300	1,600	12,000
Iodine, crude	27,900	20,400	—	—
Iodine, refined	4,300	5,600	1,600	500
Iodides, metallic	10,100	12,900	3,400	5,400
Iodoform	200	600	4,900	100
Liquorice juice	5,700	12,500	842,600	854,400
Great Britain	—	—	158,900	139,100
Liquorice root	174,500	284,900	897,600	1,275,800
Linseeds	57,704,300	73,114,400	17,300	3,400
Lead carbonate	84,600	140,800	1,090,600	459,100
Magnesium carbonate	4,000	21,100	204,500	145,800
Magnesium sulphate	2,158,600	6,346,200	6,400	4,500
Manna	2,200	600	234,500	152,600
Manilla	100	—	26,500	22,400
Medicinal plants, exotic	847,700	963,200	29,200	40,500
Medicinal plants, indigenous	796,700	721,800	2,644,100	2,375,900
Great Britain	—	—	141,200	109,600
Medicinal specialties:	—	—	—	—
Secret remedies	138,700	136,900	14,400	28,100
Others	151,200	109,400	789,100	808,100
Mercury	—	100	1,808,500	1,319,000
Great Britain	—	—	171,800	167,400
Methyl alcohol	583,800	476,600	400	100
Milk sugar	4,200	2,700	60,700	76,500
Mineral waters, medicinal	201,700	176,500	306,200	366,400
Mustard	132,800	71,300	18,200	15,600
Naphthalene, crude	268,800	16,300	14,900	39,400
Naphthalene, refined	649,400	63,500	47,000	43,200
Naphthol (α and β)	4,900	1,200	23,900	5,400
Nutmegs and mace	51,900	48,700	—	—
Oil, bergamot	—	483	152,757	172,193
Oil, clove	170	—	622,059	571,416
Oil, lemon	—	—	5,850	8,762
Oil, mandarin	—	—	—	—
Oil, olive	1,524,700	553,600	23,607,100	34,712,400
Great Britain	—	—	116,700	183,600
Oil, orange	—	—	126,202	137,696
Oil, peppermint	7,088	2,091	29,356	28,600
Oil, rose	45	20	41	2
Oils, citrus, n.o.e.	4,656	1,220	3,563	4,937
Great Britain	—	—	214,139	228,635
Oils, essential, terpeneless	276	880	6,031	4,513
Opium	2,328	1,260	21	—
Orange juice	8,900	1,200	45,200	59,100
Paraffin, soft	167,200	170,000	3,800	4,000
Pepper	2,335,000	2,113,300	6,600	8,500
Perfumes, alcoholic	73,600	70,400	35,800	21,500
Perfumes, non-alcoholic	369,400	281,200	30,200	25,700
Perfumes, synthetic	105,772	97,793	960	1,051
Permanganates, sodium, potassium, calcium, barium, zinc	59,600	71,300	100	200
Pharmaceutical preparations, n.o.e., simple	24,600	31,000	181,700	149,200
Pharmaceutical preparations, n.o.e., compound	59,400	48,600	209,100	136,300
Potassium carbonate	871,500	922,100	4,800	1,700
Potassium nitrate	1,529,500	1,615,600	1,500	700
Quinine and cinchona alkaloids	720	3,697	1,656	846
Quinine sulphate	10,689	4,715	387	585
Quinine salts other than sulphate	*1,570	—	—	—
Resorcin	3,599	3,211	365	855
Saffron	7,800	8,700	—	—
Salicylates and benzoates	*2,000	*1,000	—	—
Silver nitrate	1,063	2,246	929	802
Soaps, common	16,700	15,400	500	300
Soaps, perfumed	316	488	—	10
Sodium bicarbonate	3,177,700	3,747,700	1,844,200	2,387,500
Sodium sulphate	151,100	206,500	207,700	140,600
Synthetic medical products	2,287,800	1,982,600	46,300	24,500
Synthetic products, arseno-benzols, issued as specialties	36,740,800	31,450,700	66,700	42,400
Turpentine (tons)	70,786	72,118	14,880	18,065
Vanilla	266	7,100	—	—
Zinc oxide	4,389	4,875	11	9
	9,686	9,060	3,500	—
	635,000	1,428,000	297,800	225,700

* Amounts imported on Reparations account.
n.o.e. = not otherwise enumerated.

	Imports		Exports	
	1926	1927	1926	1927
	Kilos	Kilos	Kilos	Kilos
Acetone	368,500	594,900	1,400	9,900
Acid, acetic, glacial	4,400	34,400	11,000	22,200
Acid, arsenic	11,200	4,000	—	—
Acid, arsenious	320,900	397,700	400	—
Acid, benzoic	4,000	200	—	—
Acid, boric, refined	3,900	6,900	1,375,100	1,300,500
Acid, carbolic, pure	144,800	67,900	500	2,400
Acid, citric	900	1,100	2,061,300	2,001,500
Great Britain	—	—	269,900	262,300
Acid, formic	293,600	141,300	5,500	177,200
Acid, gallic and pyrogallic	2,800	5,400	1,200	3,300
Acid, lactic, crude	2,400	1,400	14,800	301,200
Acid, lactic, pure	1,100	39,400	10,400	—
Acid, phosphoric	33,400	30,100	—	—
Acid, salicylic	46,000	53,800	—	—
Acid, tannic	29,600	38,300	500	11,800
Acid, tartaric	500	64,400	4,023,400	3,131,600
Great Britain	—	—	767,100	674,200
Alkaloids and alkaloidal salts, n.o.e.	9,349	14,473	641	179
Aloes	32,100	52,800	200	400
Ammonium carbonate	258,700	237,300	3,800	3,400
Ammonium chloride	557,800	556,700	1,100	700
Amyl alcohol	2,200	4,400	9,900	47,600
Barium carbonate	75,900	118,600	2,200	—
Barium chloride	677,100	786,600	2,400	1,100
Barium sulphate	1,081,300	735,700	7,076,500	3,194,900
Bismuth nitrate, neutral and basic	1,300	3,100	—	—
Bismuth salts, n.o.e.	2,400	4,200	100	100
Borax and borate of soda	500,300	282,400	5,100	1,500
Bromine	7,000	1,600	100	100
Bromides, metallic	27,900	40,300	100	200
Calcium chloride	1,006,700	899,000	25,700	125,300
Calcium citrate	—	—	4,596,100	3,405,600
Great Britain	—	—	2,107,400	2,103,600
Camphor	81,600	146,500	3,200	47,800
Carbon disulphide	312,600	900	762,800	165,200
Carbon tetrachloride	362,500	68,400	509,800	394,700
Cardamoms: amomes	1,400	1,030	—	—
Cassia	193,600	119,900	1,300	11,600
Caustic potash	2,497,100	2,300,500	8,900	6,500
Caustic soda	2,572,700	2,006,000	380,800	206,400
Cera blanca	11,700	17,900	15,300	4,600
Cera flava	19,700	18,400	48,200	23,800
Chloroform	32,100	8,000	1,600	1,000
Cinchona bark	48,900	59,300	2,000	1,400
Cinnamon	162,300	157,400	*500	*100
Cloves	123,100	124,900	—	—

Two Analytical Reports

Reports of the Essential Oil Subcommittee to the Standardising Committee on the Uniformity of Analytical Methods.

Two reports have just been made by the Essential Oil Subcommittee on the standardisation of analytical methods. The first is an interim report on the determination of acetylisable constituents in essential oils. The following are the details recommended for carrying out the process:—

Ten c.c. of the oil and 20 c.c. of acetic anhydride (95-100 per cent.) and 2 grams of freshly fused sodium acetate are mixed in a 200 c.c. Kjeldahl flask. A fragment of broken glass is added, and the whole boiled under an air reflux condenser for two hours. The flask should be supported on an asbestos sheet in which a hole about $1\frac{1}{2}$ inch in diameter has been cut, and a naked flame used which should be about 1 inch. below the flask and not impinging on it. The flask is allowed to cool, 50 c.c. of water added, and the whole placed on a water bath for fifteen minutes with repeated shaking. The aqueous liquid is run away after separation in a separating funnel, and the acetylated one washed successively with: (1) 50 c.c. of saturated brine; (2) 50 c.c. of brine with 1 gm. of sodium carbonate; (3) 50 c.c. of brine; (4) 20 c.c. of water. The first three shakings should be vigorous, but the fourth, with water, should be a gentle shaking only. If the washing operations have been done properly, the aqueous layer from the second washing should be alkaline to phenolphthalein. The separated oil is treated with 3 grams of anhydrous sodium sulphate and stirred for 15 minutes or till one drop added to 10 drops of carbon disulphide in a test-tube produces no turbidity. About 2 grams of the dried and filtered oil is mixed with 20 c.c. of water, and the free acid neutralised by decinormal aqueous potassium hydroxide, with phenolphthalein as indicator. Forty c.c. of semi-normal alcoholic potash is then added and the mixture boiled for an hour on a water bath. The flask is cooled rapidly, 20 c.c. of water added, and excess of alkali is titrated with semi-normal sulphuric acid.

The second report deals with the determination of phenols in essential oils. The determination is carried out in a flask consisting of a bulb of about 150 c.c. capacity and a long neck with 10 c.c. graduations in one-tenths, the length of the graduated portion being at least 15 c.c. The flask should be cleaned with strong sulphuric acid and rinsed with distilled water before use. Eighty c.c. of 5 per cent. aqueous potassium hydroxide is placed in the flask, followed by 10 c.c. of oil, and the mixture well shaken at five-minute intervals at room temperature. The flask is then filled with potash solution to bring the unabsorbed oil into the graduated neck, separation being facilitated by tapping and rotating the flask. After standing for twenty-four hours the unabsorbed oil is read off. Where a small amount, not exceeding 0.4 c.c., of emulsion is found between the oily and the aqueous liquids, a mean reading of this should be taken. If an emulsion which will not separate is formed, the determination should be repeated with the addition of 2 c.c. of pure xylene before the mixture is shaken. The potash solution should be clear and adjusted to 4.9 to 5.1 grams of potassium hydroxide per 100 c.c. It should be free from alumina and silica. With bay oil a secondary liquid layer frequently occurs at the bottom of the non-phenolic constituents. This should be included in the unabsorbed portion. In the case of clove oil, both eugenol and acet-eugenol are absorbed. The reports are signed by John Allan (chairman), C. T. Bennett, S. W. Bradley, E. T. Brewis, L. E. Campbell, T. H. Durrans, T. W. Harrison, Ernest J. Parry, C. E. Sage, M. S. Salamon, and W. H. Simmons.

BATH COLLEGE OF PHARMACY.—On April 21 the students of the Bath College of Pharmacy made a street collection for the local Ear, Nose and Throat Hospital. The features of the day's effort included a procession through the city.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, April 26

In the pharmaceutical chemicals group, business is of about average volume, but quantities are limited. Among the price changes is a weaker tone in foreign citric acid, particularly for June-September delivery; foreign tartaric acid is also on the weaker side. Methyl salicylate is also easier, and B.P. sodium benzoate is steadier with a fairly good demand. Among crude drugs the changes include easier prices for arnica flowers and canella alba. Kola and turmeric are firm, while Jamaica sarsaparilla is very scarce and nominal in value. Cardamoms were rather cheaper at auction, partly on account of the fact that parcels were not well graded. Menthol lacks interest. Essential oils are on the whole very quiet, but a lively interest is shown in Sicilian oils of lemon, bergamot and orange, all of which are much dearer at the source. Rosewood is firmer, while anise and saffraas are easier. Spearmint and wormseed are slightly lower over the week. Among the industrial chemicals there is little change to comment upon. Foreign cream of tartar has been in slightly better demand at the recently reduced prices. Formaldehyde is on the easy side, and lead acetate is steadier; saltcake is slow of sale and easier. More interest has been shown in arsenic, and prices are fully steady. Bleaching powder is subject to severe competition. In coal tar products, carbolic acid remains quite steady, and cresylic acid continues very firm with a scarcity of refined grades. Among the vegetable oils, business has slightly improved, but the market is by no means active. Linseed and turpentine are easier on the week, as are some of the acid oils. Cotton is steadier.

Higher	Firmer	Easier	Lower
Aloes (Curaçao)	Albumen (spot)	Acid oils	Cardamoms
Bergamot oil	Canary seed	Anise oil	(auction)
Cevadilla seed	Kola	Arnica flowers	Citric acid
Dextrin (Amer.)	Rosewood oil	Calabar beans	(foreign)
Glucose	Shellac	Camphor (Jp. slabs, c.i.f.)	Linseed oil
Lemon oil		Methyl salicylate	Spearmint oil
Maize starch powder	Steadier	Quassia wood	Turpentine
Orange oils		Sassafras oil	Wormseed oil
Sarsaparilla (grey)			
Wood oil (Hankow)	Antimony		
	Cotton oils		
	Lead acetate		
	Sodium benzoate		

Cablegram

BERGEN, April 25.—The catch of cod since the opening of the season amounts to 51,600,000, against 55,600,000 at the corresponding period of last year, and the yield of steam-refined non-freezing oil is 42,409 hectolitres, against 63,020 hectolitres at the same period last year. Market is dull at 174s. per barrel, c.i.f., for finest new Lofoten steam-refined non-freezing oil.

Crude Drugs, etc.

ALOES.—Curaçao in cases is dearer at 65s. per cwt, c.i.f. for t.q.

ANTIMONY is steady. English high-grade refined remains at £59 10s. to £60, but purchases are being made at well under this from one or two quarters. Chinese regulus on the spot is obtainable at £42, although some sellers are asking £42 10s., and quotations for shipments from China are £37 to £37 10s. c.i.f. Chinese crude on the spot is £35 10s. to £36, with a fair inquiry.

ARNICA FLOWERS are now obtainable at the cheaper rate of 4s. 9d. per lb. c.i.f.

BENZON remains firm, good Sumatra seconds offering at from £8 to £8 10s. per cwt., and thirds at £6 10s. to £7. Demand has been more active of late.

CALABAR BEANS are easier, offering at 6d. per lb. c.i.f. to come forward from the Continent.

CAMPBOR (REFINED).—Japanese slabs are quoted at 2s. 6d. per lb. on the spot, and for June-July shipment 2s. 2½d. c.i.f. is quoted.

CANELA ALBA is quoted at 10d. per lb. c.i.f.

CARAWAY SEED is quiet but firm at 36s. 6d. per cwt. c.i.f. for Dutch for prompt shipment.

CARDAMOMS.—At auction on Monday 54 cases Ceylon-Mysore and Indian offered, of which 24 sold at slightly lower prices, comprising Ceylon-Mysore good bold pale bleached, 7s. 7d.; bold medium, 5s. 6d. to 5s. 7d.; medium, 3s. 9d.; and small, 3s. 2d.; bold pale splits 5s. 6d., medium to bold 4s. 3d., and decorticated seed 5s. 2d. per lb. It is understood that the apparent decline in the above prices was due to the fact that the parcels were not well graded.

CASCARILLA.—Good quill is quoted at from 4s. 4d. to 4s. 6d. per lb., and siftings at 2s. 4d. Ten bales have arrived from the Continent.

CEVADILLA SEED is dearer as the result of a small crop, sellers quoting about 98s. per cwt., c.i.f.

CHAMOMILES.—Good quality is scarce at from 110s. to 120s. per cwt., according to colour. Fair is selling at from 105s. to 107s. 6d., and for 1926 crop from 80s. to 85s. per cwt. has been paid.

CLOVES.—Zanzibar are steady at from 7½d. to 7¾d. per lb. on the spot, and for April-May shipment sellers quote 7¾d. per lb. c.i.f. delivered weight. The landings during the week ended April 21 were 235, and the deliveries 190, leaving a stock of 13,502* bales, against 12,122 in 1927 and 13,168 in 1926. The landings of Zanzibar during the period January 1 to April 21, 1928, were 8,331 bales, against 11,343 for 1927, and the deliveries 4,358, against 6,924 in 1927. [* Corrected by inspection.]

COCOA BUTTER.—Prime English C.F.R. is 1s. 8¾d. per lb., and other makes 1s. 8d., in not less than one-ton lots.

COD-LIVER OIL is quiet at from 168s. to 172s. 6d. per barrel c.i.f. for finest 1928 non-freezing steam-refined Lofoten oil. There is a disposition on the part of buyers to wait a week or so and see how the Finmarken figures progress.

BERGEN, April 23.—The codfishery at Lofoten will probably be closed this week. The codfishery at Finmarken, which has now commenced, was mostly hindered by stormy weather last week and partially by want of bait. The total output of all the Norwegian codfisheries, compared with that of the previous years is as follows:—

To	Catch of cod.	Yield of steam refined c.l.o.	Livers for crude oils
Apr. 14, 1928..	48,400,000	40,181 hectol.	7,560 hectol.
" 16, 1927..	53,900,000	61,293 "	5,645 "
" 17, 1926..	49,700,000	77,822 "	8,749 "
" 11, 1925..	32,900,000	60,382 "	6,207 "
" 12, 1924..	32,900,000	70,339 "	8,623 "

The market is dull. The official quotation was reduced to 170s. per barrel c.i.f. London for non-freezing steam-refined quality. Buyers are, however, anticipating the development of the catch at Finmarken.

COLOCYNTH.—Syrian apple to arrive from the Continent is quoted at 10d. per lb. c.i.f.

CORN PRODUCTS, ETC.—Guaranteed water-white *glucose* (corn syrup) is dearer at 23s. 9d. delivery to end of June, ex store, London. Dutch *maize starch powder* (corn-flour) is 17s. on the spot. American is 16s. 6d. per cwt., ex store, London. Pearl starch is 17s., delivery to end of June, ex store, London. Dutch *maize starch crystals* is 23s. on the spot, and American is 20s. 9d., ex store, London, delivery to end of June. Dutch *dextrin* is quoted at 22s. 6d. to 25s. 6d. per cwt. on the spot as to quantity. American canary is 21s. 4½d. per cwt. White is 21s. 1½d., ex store, London, delivery to end of June. Dutch *farina* is unchanged at 17s. per cwt. on the spot, and 16s. 3d. per cwt. f.o.b.

ERGOT is quiet, with Russian offering from the Continent at 2s. 7d. c.i.f.; spot value is about 2s. 8d. Spanish is 7s. 9d. spot and 8s. c.i.f. to come forward.

GINGER.—African is steady at 46s. per cwt. on the spot. Cochin washed rough is 60s., Calicut 65s., Cochin B cut 125s., C 87s. 6d., small Jamaica 85s., and bold 100s. to 120s. Japanese 60s. per cwt.

GUARANA.—To arrive from the Continent 7s. 4d. per lb. c.i.f. is quoted for forward shipment.

HENBANE LEAVES.—Russian are quoted at 47s. 6d. per cwt. c.i.f. to arrive.

HEN YOLK is quiet. Dried Chinese on the spot is 1s. 9½d., and May-June shipment 1s. 9½d. per lb. c.i.f. Prime Chinese albumen is 2s. 4d. spot, and May-June shipment 2s. 2½d. per lb. c.i.f.

KOLA.—It is still difficult to obtain any offers of West Indian or Ceylon for shipment. Prices of the small lots on the spot remain firm at 5d. for fair halves, and African quarters of inferior quality are quoted at 4½d. per lb.

LIME JUICE is steady at from 2s. 3d. to 2s. 9d. per gallon for old to recent import.

LYCOPodium is quoted at about 2s. 10d. per lb. c.i.f. for treble sifted Russian.

MAGNESIUM.—Quite a good business was reported, and the market is firm with small ingots and sticks selling on the basis of 4s. per lb. upward, and terms for powder vary from 5s. up to 6s. 3d. per lb. according to quality and quantity.

MENTHOL continues to lack interest, the spot value of Kobayashi and/or Suzuki being from 15s. 4½d. to 15s. 6d. per lb.

MERCURY is firm, but not active. Current demands are chiefly confined to small lots, consumers being reluctant to buy in excess of their actual requirements at the inflated level of prices. There has not been much demand either for China or Japan. The American market is reported very firm with sellers quoted \$124½ to \$125 per bottle duty paid. First-hand offers from the Continent are by no means being pressed forward at £21 10s. f.o.b. Spot terms here range from £22 5s. to £22 7s. 6d. per bottle, less the usual discount. U.K. imports for March were moderate, being 2,605 bottles, making 3,398 bottles for three months, against 5,557 bottles in 1927.

MYRRH.—The "Khiva" has brought 20 bags from Aden.

OLIBANUM.—An arrival of 67 bags of fair siftings, free from admixture, has taken place from Antwerp.

OPIMUM.—The following report has been received from Turkey:—

CONSTANTINOPLE, April 15.—The sales during the past fortnight amount to 110 cases druggists' at from £T28 to £T30 per oke; 12 cases softs at £T34½ to £T35; and 36 cases Malatia at £T29 to £T32, exchange rate being 950 piastras to the pound sterling. Arrivals have been 1,673 druggists', 227 "softs," and 190 Malatia, making a total of 2,090, compared with 2,781 last year. The stocks held are now 666 druggists', 175 "softs" and 83 Malatia, giving a total of 924, against 800 last year. A valuation of actual stocks has brought to light the fact that certain lots which it was thought had been exported are still available. Abnormal temperatures still prevail, and reports of cold and storms come from all areas. Holders are now disposed to sell, and the largest holder, who has sold nothing for some time, sold 50 cases last week. The need of money to buy mohair is said to be the motive for these sales.

PEPPER has been quiet, but closes firmer. Fair black Singapore is 1s. 6½d.; April-June shipment, 1s. 5¾d. c.i.f. Lampong is 1s. 5¾d. spot; March-May and April-June shipment have been sold at 1s. 5½d. to 1s. 5½d. c.i.f.; August-October shipment sold at 1s. 3¾d. to 1s. 4d. Tellicherry, 1s. 6¾d. spot and Alleppey 1s. 6¾d. spot. White Muntok is 2s. 3½d. spot; March-May and April-June shipment has been sold 2s. 2½d. to 2s. 3d. and August-October at 2s. 0¾d. to 2s. 1½d. c.i.f.

PIMENTO is quiet at 8¾d. per lb. on the spot, and for April-May shipment sellers quote 80s. per cwt. c.i.f.

QUASSIA WOOD of prime quality is quoted at 19s. 6d. per cwt. c.i.f.

RUBBER is practically unchanged since our last report, and although business has been rather slow, prices have kept remarkably steady. It is difficult to accurately read the position of the market, and although prices may decline even further, it would appear that a fairly heavy "bear" position exists amongst some of the largest dealers. A considerable amount of spot rubber has recently been cleared, and we find manufacturers buying quite freely at the lower level of prices. The market was rather easier at one period, chiefly in consequence of the disturbing influence of a heavy Singapore failure. Deliveries last week were very high, and totalled 4,254 tons, whilst arrivals amounted to 2,128 tons, showing a decline in the stocks of 2,126 tons. The London stock now stands at 56,819 tons, against 65,511 tons at the corresponding period last year. A further decline in stocks will take place over the next few weeks, as it is rumoured that deliveries from the warehouse will continue to be heavy. Quotations (Wednesday 5 p.m.): No. 1 standard ribbed smoked sheet, spot and April, 8d.; May/June, 8½d.; July/September, 8½d.; October/December, 8½d. per lb.

SARSAPARILLA.—Grey Jamaica continues very scarce, and the last price paid was 2s. 3d. per lb. Red native Jamaica is also scarce at fully 1s. 11d. per lb. for good, 1s. 10d. for fair red, and 1s. 9d. for palish and-mixed. Honduras roll 2s. 3d. to 2s. 6d. per lb. Mexican is cheaper to arrive, selling at about 63s. 6d. per cwt. c.i.f.

SEEDS.—The position remains unaltered, with prices as follows:—ANISE.—Spanish 50s., Levant 34s., Russian 30s. per cwt. CANARY is firmer for Mazagan on the spot; sellers are asking 14s. 6d. per cwt. CUMIN remains about the same, with Maltese at 56s. and Morocco 55s. on the spot, while new crop is quoted at 39s. c.i.f. for June-July shipment.

CORIANDER.—Morocco is 47s. 6d. on the spot, and new crop is offered at 21s. 6d. c.i.f. for June-July shipment; Russian is 38s. spot. FENUGREEK.—Morocco is 16s. to 17s. per cwt. spot. HEMPSEED.—Manchurian is 15s. 9d. to 16s. 9d. on the spot. LINSEED.—Mazagan is 20s. on the spot. MUSTARD.—English is 27s. per cwt. on the spot.

SHELLAC is firmer, the market for usual standard TN orange quality closing at 182s. 6d. per cwt. on the spot; fine orange is 210s. to 300s., pure button 230s. and AC cakey 195s. To arrive TN for April-May shipment has been sold at 157s. to 167s. 6d. to 160s., and May-June at 153s. to 158s. c.i.f. For delivery the sales include May at 172s. 6d. to 177s. 6d. and August at 163s. to 167s. 6d. to 166s. 6d.

STROPHANTHUS.—An arrival of 43 bags have taken place via Beira.

TURMERIC is firm at 35s. per cwt. on the spot for fair Madras finger, and to arrive 32s. c.i.f. is quoted.

WAX (VEGETABLE).—Japanese is steady at 84s. per cwt. on the spot and April-May shipment is quoted at 79s. c.i.f.

The exports from Japan during the past three years were as follows:—

	1925.	1926.	1927.
Piculs	31,462	35,965	53,012
Yen	1,414,859	1,526,524	2,339,881

Essential Oils

REMARKABLE advances have taken place in the citrus oils. Orange is dearer by about 2s. per lb., and is expected to go higher, while lemon shows a corresponding rise. Bergamot has recovered to the value immediately preceding the recent decline. Rosewood is firmer; anise and sassafras easier; wormseed and spearmint slightly lower.

ANISE (STAR).—"Red Ship" is nominal on the spot at 2s. 5d. per lb. The shipment price has declined again to 1s. 11½d. per lb. c.i.f. in drums and 2s. in tins, but no interest is shown.

BAY.—West Indian is worth from 7s. 3d. to 7s. 6d. per lb. on the spot for 50 to 55 per cent. phenols.

BERGAMOT, following the recent feeble tendency, has recovered, and is now firm at 23s. per lb. c.i.f., and from 23s. 6d. to 24s. on the spot.

CAJUPUT is unchanged at 2s. 6d. per lb. on the spot.

CAMPOR.—Brown is quoted at 57s. 6d. per cwt. on the spot and 51s. per cwt. c.i.f. The spot price of white is about 54s. per cwt.

The exports from Japan during the past three years were as follows:—

	1925	1926	1927
Piculs	13,989	26,552	22,488
Yen	393,976	820,585	672,121

CANANGA is easier at 11s. 6d. per lb. on the spot for Java.

CASSIA.—The spot value of genuine is still 7s. per lb., but we understand small sales have been made at slightly less. It is reported that some guaranteed oil has been offered at 6s. 4d. to 6s. 5d. c.i.f., but this is not general, and the usual quotation is 5s. 6d. c.i.f. on Hong-Kong analysis.

GERANIUM.—Bourbon continues firm and steady at fully 16s. per lb. on the spot, and 15s. 9d. to 16s. c.i.f. for shipment. Algerian is also firm at 12s. 9d. to 13s. per lb. c.i.f., and 13s. to 13s. 6d. on the spot.

LEMON is considerably dearer and is quoted at 9s. 6d. to 9s. 9d. per lb. c.i.f. The spot price varies according to seller.

LIME is in no demand at 26s. per lb. on the spot for West Indian distilled.

MANDARIN is dearer at forward prices ranging from 27s. to 30s. per lb. c.i.f., with spot value showing an even greater discrepancy according to seller.

ORANGE.—The position is unique, and holders on the spot are disinclined to sell. Sicilian sweet is quoted at 15s. 3d. to 15s. 6d. per lb. c.i.f., but distillers are holding off in anticipation of higher prices. The bitter is quoted at 14s. 7d. per lb. c.i.f. Spot values vary considerably and oil is only being sold by people pressed for money. Jamaica sweet is worth 13s. nominal on the spot, and the bitter 12s. 6d. per lb.

PEPPERMINT.—Japanese dementholised still lacks interest, the spot value of Kobayashi and/or Suzuki being from 6s. to 6s. 1½d. per lb. For April-May shipment 6s. per lb. c.i.f. is quoted. American natural tin oil is steady at 13s. 6d. to 14s. per lb. c.i.f., and 14s. to 14s. 3d. on the spot, according to brand.

PETITGRAIN is slightly firmer at 6s. 9d. per lb. c.i.f. and 7s. to 7s. 3d. on the spot.

PINE NEEDLE.—Siberian in drums and/or barrels is offered at 2s. per lb. c.i.f.

ROSE (OTTO OF).—Particulars of the new Bulgarian crop are not yet available, but owing to heavy frosts it is estimated that about 25 per cent. of the rose plantations have been damaged. However, given favourable moist weather in May it is thought that a shortage will be avoided, although in the circumstances no reduction is anticipated. Standard quality is quoted at 60s. per oz., while the commercial "branded oils" can be bought at 40s. per oz. and upwards on the spot.

ROSEWOOD (BOIS DE ROSE).—Cayenne is firmer at 8s. 8d. to 8s. 9d. per lb., c.i.f. London. The spot value ranges from 8s. 6d. to 8s. 9d. per lb.

SASSAFRAS.—Natural American is easier at 3s. 9d. per lb. c.i.f., and 4s. 3d. on the spot.

SPEARMINT is lower and quoted at 17s. 9d. to 18s. per lb. c.i.f. and 19s. on the spot.

WORMSEED (CHENOPODIUM) is slightly lower at 13s. 6d. per lb. c.i.f., and 14s. per lb. on the spot.

The following arrivals have taken place from the countries indicated during the period April 18 to April 24 (inclusive):—Almond (Fr.), 10 cs.; anise (Ch.), 25 cs.; bergamot (It.) 177 cs., (U.S.), 6 cs.; camphor (Jp.), 12 cs.; cananga (Jv.) 2 cs., (Holl.) 1 cs.; cinnamon (Cey.), 1 cs.; citronella (Jv.) 5 dm., (B.W.I.) 2 dm.; copaiba (U.S.), 8 cs.; geranium (Alg.), 2 cs.; jasmin (Fr.), 3 cs.; lavender (Sp.) 3 dm. 8 cs., (Fr.), 3 cs.; lemon (It.) 164 cs., (Ger.) 4 cs.; lemongrass (Fr.), 1 cs.; nutmeg (U.S.), 6 cs.; orange (B.W.I.) 7 cs., (It.) 29 cs.; patchouli (S.S.), 3 cs.; peppermint (U.S.) 3 cs., (Jp.) 40 cs.; rosemary (Sp.), 1 cs.; rosewood (Braz.), 10 dm.; santalwood (Br. Ind.), 100 cs.; sassafras (U.S.), 2 cs.; thyme (Sp.) 4 cs., (Fr.) 3 cs.; wormseed (U.S.), 1 dm.; undescribed (Ger.) 1 cs., (Sp.) 1 cs., (U.S.) 2 cs., (Fr.) 6 cs.

Pharmaceutical Chemicals, etc.

The chief item of interest is some sign of weakness in citric acid. Other items are unchanged, with about average business moving on spot in limited quantities.

ACETANILIDE is unchanged, with spot quoted at 1s. 5½d. to 1s. 6d. per lb. for B.P. crystals and powder.

ASPIRIN has been in steady demand, with prices for reliable makes well held at 2s. 5d. to 2s. 7d. per lb.; second-hands may be available down to 2s. 4d.

BENZOIC ACID (B.P.) is steady and fairly busy: quantities at 2s. 0½d. to 2s. 1d. per lb., ex works; small spot parcels, 2s. 2d.

BROMIDES are unchanged, with business quite unimportant and prices on the easy side: dealers quote ammonium, 1s. 11½d.; potassium, B.P. crystals, 1s. 7½d.; granular, 1s. 7d. to 1s. 7½d.; sodium, B.P., 1s. 10½d. per lb. for quantities, in cases. British makers' list prices are unchanged: ammonium, from 2s.; potassium, 1s. 8½d. to 1s. 9½d.; sodium, 1s. 11d. to 2s. per lb., in cwt. lots.

CALCIUM LACTATE has met with a fair demand at 1s. 1½d. to 1s. 2d. per lb. for quantities.

CHLORAL HYDRATE.—Duty-paid crystals show no further decline, and the market is now steady at 3s. 1d. to 3s. 2d. per lb. for fair quantities; small parcels, 3s. 3d.

CITRIC ACID (B.P. crystals) shows some signs of weakness. Spot has moved down about a penny during the week to 1s. 10½d. to 1s. 11d. per lb., less 5 per cent., for ton lots. Foreign makers, who appear not to be fully satisfied with their sales in this market so far, have now intimated that their price for June-September delivery has been reduced to 1s. 9½d. c.i.f. Business during the week has been by no means good.

CREOSOTE (B.P.) is quiet, with dealers quoting at about 1s. 8½d. to 1s. 9d. per lb., and slightly less for large quantities.

CREOSOTE CARBONATE is unchanged on a dull market at 5s. 10d. to 6s. per lb.

GUALACOL CARBONATE meets with little business at about 4s. 8d. to 4s. 9d. per lb.

HEXAMINE.—A fair business continues, with competition still severe: small crystals from 2s. 1d.; powder, about 2s. 3d.; free-running crystals, 2s. 2d. to 2s. 3d. per lb.

HYDROQUINONE continues unchanged, with a fair amount of business: half-ton lots, 3s. 8d. up to 4s. 9d. for 14-lb. parcels.

LACTIC ACID (B.P.).—There are sellers on spot at about 1s. 11d. to 2s. per lb., and slightly less would probably be taken for quantities to come forward.

METHYL SALICYLATE (B.P.) is slightly easier on a quiet market at 1s. 4½d. to 1s. 5d. per lb. for quantities; small lots, 1s. 6d.

METHYL SULPHONAL is dull and irregular at about 9s. to 9s. 4d. per lb.

PARALDEHYDE is steady but quiet: quantities, in carboys, 1s. 1d. to 1s. 2d. per lb.; small lots, in bottles, 1s. 3d.

PHENACETIN continues in fair request, with dealers' prices steady at 2s. 5d. to 2s. 7d. per lb.

PHENAZONE is maintained in price at 3s. 11d. to 4s. per lb., with a fair business; isolated second-hand lots slightly cheaper.

POTASSIUM PERMANGANATE.—B. P. crystals are quoted in drums at from 5d. to 5½d. per lb. as to quantity and packing.

SALICYLIC ACID (B.P.) remains dull and unsteady: large quantities at 1s. 2d.; cwt. lots, 1s. 3d. per lb.

SALOL is steady at controlled prices: cwt. lots, 2s. 4½d.; half-cwt., 2s. 5d.; small parcels, 2s. 6d. per lb.

SODIUM BENZOATE (B.P.) is steadier and business has been fairly good: quantities of foreign powder, 1s. 7d. per lb.; spot, 1s. 7½d. to 1s. 7d.

SODIUM DIETHYLBARBITURATE is dull at about 7s. 10d. per lb. SODIUM SALICYLATE (B.P.) keeps fairly steady, with a moderate business: crystals from 1s. 8d.; powder from 1s. 7d. per lb. for quantities in cases.

SULPHONAL remains dull at about 6s. 6d. per lb.

TANNIC ACID.—B.P. *levis* is very steady and in good call: quantities from 2s. 10d. per lb.; small parcels up to 3s.

TARTARIC ACID (B.P. crystals).—There has again been no great volume of business, but prices are being fairly well maintained: foreign on the spot is quoted at about 1s. 4d. to 1s. 4½d. per lb., less 5 per cent., for quantities.

TERPIN HYDRATE is being freely offered at cheap prices of about 1s. 5d. per lb. for large quantities to come forward; business slow.

THYMOL shows no change, with the market quiet: dealers quote synthetic at 9s. 6d. to 9s. 9d. per lb.

VANILLIN continues to be quoted at about 15s. to 15s. 6d. per lb. for 100 per cent., from cloves; market quiet.

Industrial Chemicals, etc.

London, April 25.

CONDITIONS in this section continue steady, and there is little change to comment upon. Cream of tartar has been in a little better demand at the recently reduced rates.

ACETIC ACID has been in limited demand: 80 per cent. technical, £36 15s.; 80 per cent. pure, £37 per ton, in barrels; glacial, pharmaceutical, 99 to 100 per cent., £66, in glass demijohns; glacial, in barrels, £56 per ton, ex store.

ACETONE is a good market at £63 to £67 per ton for B.G.C., in drums.

ALUM continues about unchanged, with only a limited business: lump, £8 5s. to £3 7s. 6d. per ton, in casks, ex store; slightly less forward in quantities.

AMMONIA (ANHYDROUS) is moving in quite good volume, but prices are being cut very fine: spot, 99.95 per cent., in loaned cylinders, 9d. to 11d. per lb., carriage paid; slightly less for contracts.

AMMONIUM CHLORIDE continues to be quoted at from £21 10s. per ton for grey galvanising, in casks, ex store; slightly cheaper forward.

ARSENIC.—There is a fair demand for white Cornish at from £17 to £17 5s. per ton, f.o.r. mines; Mexican high-grade is £17 7s. 6d. c.i.f. Liverpool.

BARIUM CHLORIDE remains very quiet and offers are at low levels: spot, 98 to 100 per cent. prime white crystals, £7 12s. 6d. per ton, in casks, ex store; slightly less forward in quantities.

BLEACHING POWDER is being cut by competition between home makers and importers: large quantities down to £5 12s. 6d. per ton; ton lots, about £6 17s. 6d. to £7.

COPPER SULPHATE.—The tone was very firm at from £26 5s. to £27 f.o.b. for casks, less 5 per cent., and terms for home use are £27 to £27 5s. Considerably more business has been put through for export during recent weeks, and the shipments for last month were well over 11,000 tons, or about double those for the previous month.

CREAM OF TARTAR is keeping up fairly well, with a moderate amount of small-sized business: dealers are selling imported B.P. quality from 97s. 6d. to 100s. per cwt., less 2½ per cent., as to quantity.

FORMALDEHYDE is unchanged and steady, but business is by no means good: 40 per cent. by volume, £37, in casks, ex store; less for contracts.

FORMIC ACID continues fairly active, with dealers' prices well maintained: 85 per cent., in carboys, £46 5s. to £46 12s. 6d. per ton, ex store.

GLAUBER'S SALT of commercial quality is offered on spot at £3 12s. 6d. per ton, in single bags, ex store, and slightly less for quantities to arrive.

ISOPROPYL ALCOHOL has been moving well, with dealers and home makers competing keenly: reliable make is from 10s. 9d. to 11s. 3d. per gallon, in drums.

LEAD PRODUCTS.—Lead acetate is steadier but not in much demand: brown, £40; white, £42 per ton, in casks, ex store; red lead, imported, £30 per ton, c.i.f. London; white lead, imported and home makes, dry, £36 to £42; ground in oil, £44 to £50 per ton, carriage paid in U.K. Convention prices are unchanged.

OXALIC ACID is steady and fairly busy: dealers quote £29 17s. 6d. to £30 per ton, ex wharf, for quantities.

POTASSIUM CARBONATE shows no change, with business rather poor: 90 to 92 per cent., £25; 96 to 98 per cent., £25 per ton, in casks, ex store; slightly cheaper for contracts.

POTASSIUM CHLORATE is steady, with occasional business: quantities to come forward from 2½d. to 3d. per lb.; spot parcels, 3½d. per lb.

POTASSIUM PERMANGANATE remains very quiet, dealers quoting at 4½d. to 5d. per lb., in two-cwt. drums, ex store.

POTASSIUM PRUSSATE is very quiet so far as important business is concerned: quoted from 6½d. per lb. for yellow, in casks; small spot parcels from 7d.

POTASH CAUSTIC continues unchanged under Convention prices; business rather slow: spot, less than one ton, £36 15s.; one to five tons, £33 5s.; five to fifteen tons, £32 15s. per ton, in drums, ex store; 30s. per ton less c.i.f. SALTCAKE remains slow of sale, with the price rather easier for bulk quantities at £2 15s. to £2 17s. 6d. per ton.

SODIUM ACETATE is firm, with dealers holding only small supplies: quoted fully £21 per ton, in casks, ex store.

SODIUM CHLORATE is steady but not at all active: quantities to come forward, 2½d. to 2½d. per lb.; small spot parcels, 3½d.

SODIUM HYPOSULPHITE continues steady, with moderate business on the market: dealers quote pea crystals in one-cwt. kegs at £15 to £15 2s. 6d.; commercial quality, £9 10s. per ton, in casks, ex store. British makers' price for pea crystals to home consumers on contract, £15 per ton, carriage paid to buyer's station.

SODIUM NITRATE remains dull in London: 95 per cent., £11 2s. 6d.; refined 96 per cent., £11 5s. per ton, f.o.r., docks, London.

SODIUM NITRITE is steady but quiet: 100 per cent. basis, £19 10s. per ton and 20s. per cwt., docks, London.

SODIUM PRUSSATE is quoted by dealers at 4½d. per lb. for bulk quantities and 5d. for small spot parcels, but business is still slow.

SODIUM SULPHIDE is steady, with occasional business: 60 to 62 per cent. solid, £9 10s.; broken, £10 10s. per ton, in drums, ex wharf.

SULPHUR.—There is a fair demand and prices are very steady: American crude is £5 12s. 6d. to £5 17s. 6d., and Sicilian flowers are £13 7s. 6d., refined ground £12, and roil £10 15s., all c.i.f. to arrive.

ZINC PRODUCTS.—There has been a further sharp advance in metal, which looks like being sustained, and this certainly points to a revision of prices for the various zinc products, for which there has been a better demand lately. Zinc dust is firm at £32 up to £48, according to description, and zinc ashes are worth £8 10s. f.o.r., basis 70 per cent. Quotations for zinc oxides range from about £32 up to £44, and even £47 for special brands.

COAL-TAR PRODUCTS, ETC.—Most items in this section are unchanged, with business quiet. Pitch has now finished for the season. ANILINE OIL continues to be quoted at 8d. per lb., packages extra, carriage paid, for large quantities. ANILINE SALT is steady at 8d. per lb., packages extra, carriage paid, for large quantities. BETANAPHTHOL is unchanged, with quantities from 10d. per lb., carriage paid. CARBOLIC ACID crystals remain quite steady at 6½d. to 6½d. per lb. for substantial export business, in three-cwt. drums: usual size home trade orders are being accepted at 7d. to 7½d. per lb. for 39° to 40° C. ice crystals. British makers are pretty well sold and business is being done for July forward. CRESYLIC ACID continues exceedingly firm, with prices unbroken. There is a fair amount of standard pale quality available at from 2s. 7d. to 2s. 9d. per gallon, according to tar acid content, etc., but the more refined grades are exceedingly scarce, with the consequent tendency for further increased prices. Business has been done at 5s. 1d. naked for No. 2 quality, and sales for July-December delivery are being made at the advanced figures. NAPHTHALENE remains slow of sale and unsteady: flakes and balls, about £16 15s. per ton, in cases, ex wharf. METHYL ALCOHOL has been in good call, with prices steady at £45 per ton, in drums, ex store; less for quantities to come forward. PYRIDINE is idle and nominal at about 6s. per gallon, f.o.b. TOLUOL is unchanged and quiet: commercial 90's, 1s. 6d. to 1s. 7d.; pure, 1s. 9d. to 1s. 10d. per gallon, at works. XYLOL remains slow of sale: commercial, 1s. 5d.; pure, 1s. 9d. per gallon, at works. PITCH continues to be quoted at 60s. per ton, f.o.b. East Coast, with the season now finished.

Fixed Oils, etc.

A LITTLE improvement in the volume of business is recorded, but there is as yet no general activity. Linseed oil and turpentine are a shade down on the week. Palm oils have improved. ACID OILS are slightly easier in some cases: coconut and/or palm kernel, 37s.; groundnut, 32s.; soya, 23s. spot. CASTOR is quiet and unchanged: pharmaceutical, 50s.; first pressings, 45s.; second pressings, 42s. per cwt., in barrels, ex mills, in not less than one-ton lots. COCONUT has been quiet but firm: deodorised, spot 48s.; Ceylon, 42s. c.i.f.; Cochín, 52s. 6d. c.i.f. COTTON is steadier but is still quiet: deodorised, 44s. 6d.; common edible, 43s. 6d.; soap-making, 40s. 6d.; crude, 37s. 6d. spot. GROUNDNUT has been dull: deodorised, spot 47s. 6d.; crude Oriental, 43s. c.i.f. PALM KERNEL is unchanged and quiet: deodorised, 44s. 9d.; crude, 40s. spot. PALM.—Business has been fair, with prices showing a slight improvement; market closing steady:

Lagos, 34s. 9d.; softs, 34s. 6d.; mediums, 34s. 7½d.; hards, 34s. 6d.; bleached, 37s. 6d. spot. RAPE is quiet but fairly steady; refined, 45s.; crude, 43s. spot. SOYA continues steady and quiet; deodorised, 40s.; crude, 36s. 3d. spot. LINSEED (raw, naked).—Some slight fluctuations in prices are recorded, with the general tone easier on spot, 29s. 9d.; April, 29s. 9d.; May, 30s. 3d.; May-August, 30s. 3d.; September-December, 31s. 3d. Boiled oil, spot 34s. 6d. Hull, on spot, 29s. 9d.; April 29s. 9d.; May-August, 30s. 3d.; September-December, 31s. 3d. TURPENTINE continued to droop on easier American advices and owing to a very slow demand. The London spot price closed at 37s. 9d.; May-June, 37s. 9d.; July-December, 38s. 3d. The above prices do not include the new Government tax of 4d. per gallon, which is for buyers' account. Deliveries for last week were very good owing to the collection of April commitments from the wharves, and the total was 2,749 barrels, making 32,377 barrels since January 1. Stocks were thus reduced to 36,758 barrels, this comparing with 32,570 barrels the same date last year. RESIN.—There was some further weakness, with a limited business doing on the spot and for shipment. C.i.f. terms were as follows: American B/E 17s. to 18s., F/G 18s. 9d., H/I 18s. 10½d to 19s. 1½d., K/N 19s. 4½d. to 21s., W/G 22s., and W/W 22s. 6d.; on the spot sellers are asking 9d. per cwt. premium. WOOD.—Hankow on spot is dull; quoted at about 75s. OLIVE.—B.P. is quoted from 6s. 3d. per gallon, in barrels; edible quality, 7s. to 7s. 6d. per gallon.

LUBRICATING, MINERAL AND BURNING OILS, ETC.—In connection with the new duties on certain kinds of oils announced by the Chancellor of the Exchequer, the Commissioners of Customs and Excise announce that an Excise duty at the rate of fourpence a gallon will become leviable on all stocks of petroleum oils in Great Britain and Northern Ireland, which on March 25 are in the ownership or possession of any person or firm holding in the aggregate 10,000 gallons or over of those oils. The term "petroleum oils" includes crude oils and heavy oils, such as fuel and gas oil as well as light oils, but the charge of duty will be adjusted, so that payment will be called for in respect only of light oils such as petrol, kerosene, white spirit, etc. The duty does not apply to benzol, shale oil, or other oils which are not petroleum products. A form of return and explanatory notice have been prepared, and any person or firm holding an aggregate stock of 10,000 gallons or over of petroleum oils who has not been served with the return and form should apply for copies to the local officer of customs and excise. The customs duty of 4d. a gallon on all imported hydrocarbon oils also came into operation on March 25. This duty in form includes, as well as petroleum oils, coal tar and oil's produced from coal, shale, peat, or bituminous substances, and all liquid hydrocarbons, but, as in the case of the excise duty, the charge will be adjusted, so that payment will be called for in respect only of light oils such as petrol, benzol, kerosene, white spirit, turpentine, etc., whether imported as such or produced in a refinery from imported hydrocarbon oil. The duty does not apply to home-produced benzol or shale oil. Imported goods, namely, paints, varnishes, etc., containing dutiable oils, will be liable to duty on the quantity of such oils used in their manufacture. Full particulars as to the customs duty are obtainable at any custom house.

Sodium Sulphate Convention

A SALE and price agreement has been effected between German and English manufacturers of Glauber's salts for a period of three years. Meanwhile quantities of the product not taken up by the market will be taken into stock to tide over the difficulty caused by the temporary cessation of demand from the Scandinavian pulp industry. In this way prices can be maintained without loss to the single producer until the world market is re-established.

Bulgarian Rose Oil Exports

ACCORDING to the returns published by the General-Direction of Statistics, Sofia, exports of rose oil from Bulgaria during the month of November 1927 amounted to 113 kilos, valued at 8,705,210 levas, consigned to the following countries: Austria, five kilos; Great Britain, four kilos; Germany, two kilos; Italy, four kilos; United States, 42 kilos; France, 51 kilos; Czechoslovakia, one kilo; Turkey, 150 grams; other countries, four kilos. During the period January to November 1927 the total exports of rose oil from Bulgaria amounted to 2,319 kilos, valued at 179,001,377 levas. Exports of rose oil during the month of December 1927 amounted to 87 kilos, valued at 6,696,129 levas, consigned to the following countries: Great Britain, 25 kilos; Germany, 250 grams; United States, 360 grams; France, 57 kilos; Switzerland, five kilos. Exports during the twelve months January-December 1927 amounted to 2,406 kilos, valued at 185,697,506 levas.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

Chemists' Associations

SIR,—There is little doubt that much of the support which was given to the old associations was due to the fact that they were independent bodies. The strength of these associations naturally varied in localities; those which were the strongest were, as a rule, those that were, if I can use the term, self-contained—i.e., those situated in rather more densely populated areas, and so the members were more in touch with one another; some of the strongest are still in existence. In spite of all that may be said, the feeling of independence is lacking in the new branches; and without wishing unduly to criticise any of the councillors who have addressed us from time to time, some of them have made us feel that it is lacking, although if a definite question were put to them on the subject they would be the first to deny it. In the old associations we were free to introduce any topic for discussion on which we wanted information, and as most of us are engaged in retail work, naturally business matters interest us most; but if one were to ask some of these questions at a meeting of a branch at once the cry "Trade!" is raised, a subject which is prohibited to the cognisance of the Society, so that the most important part of our interest is cut out at once. With regard to the question of the contributions and the portion which is returned to the branches for expenses, the difficulty of locality arises; some areas naturally require larger funds for expenses, and it so happens that these are often the areas which get least returned to them on account of the membership; at some future period this matter will have to be adjusted.—Yours truly,

BRANCH MEMBER (11/4).

The Council Election

SIR,—It is not clear to me why the candidates who seem to be mainly interested in the fitting of spectacles should endeavour to capture seats upon the Pharmaceutical Society's Council. Of all representative bodies, I should have thought that was the last which would be in a position to advance their claims to State recognition. The Society exists to maintain the rights and privileges of chemists and druggists as such, and it will be a sorry day for us when, if ever, the Council of the Society takes advantage of its undoubted influence to press the claims of those of us who wish to improve our position as dealers in some side-line. Optical qualification, if sound, should secure Parliamentary recognition by direct means, and it is only thus that it will be secured. I am disposed to think, however, that there is a good deal of what Americans call "bunk" being flaunted as optical qualification, and it would be all to the good if there were some sifting out of "qualifications." This is, I think, all the more necessary if connection with the optical business is to be dragged in as a reason for electing anyone to represent us upon the Society's Council.—Yours truly,

DUBIETY (23/4).

Business Ethics

SIR,—In reply to "Galen" (C. & D., April 21, p. 521), I consider a fair way (the system which I use myself) is to charge 1d. in the 1s. on list cost price, or in the case of "cut" articles to divide the profit. Such a system is fair to both sides. It is only a small fee for obliging a *confrère*, and yet is some compensation for capital involved. To charge actual cost price is only encouraging a competitor to run his business on your stock. Local associations can easily agree to work on a similar system, when all members would know the cost of being obliged by another member.

Yours sincerely,

BM/FAMH (21/4).

SIR,—In reply to "Galen," he should, if possible, follow the Poole and area chemists. At a meeting held in January to discuss various items, among which was the supply to brother "pills" of proprietaries and drugs, etc., the following resolution was unanimously passed: "Charge the full prices for both, fixing the C. & D. list as a basis for drugs, etc.," but the irony of the whole matter was reached when it was brought up about the obliging supply to grocers, and it was decided to leave this at the discretion of each chemist, to charge what he thought met the circumstances.

Yours, etc.,
BROTHERLY LOVE (21/4).

SIR,—I am glad to see that "Galen" voices a difficulty which has been increasing considerably of late years. Formerly it was considered the last thing to do, if it could be avoided, to trouble a neighbouring chemist for anything, and then only if the case was urgent. But latterly it seems to have become the common practice to send round for all sorts of items, not only out-of-the-way drugs, but even simple preparations which could be made at the dispensing counter; and there seems to have arisen a generation who would sooner borrow than use their own time and ability, if they have any, to make the required articles. With proprietary lines, of course, this does not apply; but such a line, even when ordered by prescription, can seldom be so urgent that the customer cannot wait till the next day, and with the modern quick service most things can be obtained in twenty-four hours or so wherever one may be located. As "Galen" has found it so have I—three or four times in a morning have I been called on by different people, sometimes to my great inconvenience when busy; and eventually it occurred to me that I seldom had to send round myself, although doing the same class of business, and I was reluctantly forced to the conclusion that there was either a lot of bad stock-keeping about or else downright laziness. So when junior assistants and others came in with a note to be obliged, and treated me like a trade counter in a wholesale house, I decided it was time to stop; and now I confine my lending to one or two friends who I know will not abuse it. Certainly it is possible that business friendships might suffer by a sudden stoppage; but "Galen" should be regularly out of stock himself for these orders, or else so short that he cannot spare any—the borrowers will take the hint after one or two failures.—Faithfully yours,

LENDER (23/4).

SIR,—"Galen," who wrote you last week out of the fullness of his heart, has my sincere sympathy. His problem is a real one, for whatever change he makes I fear he will give offence to weaker brethren. Personally, I cannot understand why he should not charge full retail price, less a small discount—say, 5 or 10 per cent. (broken bulk in proportion). I think it would be far better if this system were adopted generally.

Yours faithfully,

LITTLE GALEN (24/4).

"Chemists are Dear"

SIR,—Referring to the discussion on "chemists are dear," I consider this statement is correct when we compare our prices to grocers'. The reason for this is, I think, not far to find. In the first place, our "bread-and-butter" lines are to the grocer merely side-lines which he can easily afford to cut; and again, what to a chemist is a poor profit often represents a very substantial profit to the grocer, whose number of customers and turnover per week allow him to work habitually on a very small profit. Another point is that I am being forced to the opinion that a chemist can buy almost any drug or galenical much better from many wholesale grocers than from wholesale druggists. We in Manchester frequently get typewritten lists from wholesale grocers of drugs and dressings which are much below the prices of our usual sources of supply. Is it that we retailers have been duped too long to fill the pockets of the wholesale trade, or that the wholesalers themselves are buying badly? I am afraid the wholesale drug trade will have to look to itself if it does not want to lose the chemists' business. We retailers, in

these days of keen competition, must buy in the best market against all our principles. We are told that these drugs are packed for the grocers by a wholesale house of standing in the drug trade. How is it they can give such good prices to the wholesale grocer? A glance at the drug mart lists issued weekly in your paper shows the huge advance in prices when the drugs reach our hands. . . .—Yours faithfully,

H. DUTTON.

Higher Openshaw.

SIR,—May I be permitted one or two more observations in reply to "Chemist and Druggist" (C. & D., April 21, p. 521)? I think he is viewing my first letter from a wrong angle. The prices I quoted were taken from actual published lists—stores', wholesale drug houses', and chemists' selling price lists; he says that to pay such prices (wholesale) is to ignore the first principles of sound business; then the wholesalers equally ignore them by quoting such prices. Then, to charge higher prices "is an economic error"; but the prices were not higher, except than store prices, they were the figures which can be found nearly equal in all retail lists. Special knowledge is required for the sale of drugs, and we have to pay to acquire that knowledge; are we to give it away free? I am in agreement with him in his remarks about the payment for N.H.I. work.—Yours truly,

WILL. B. MET (23/4).

Subscriber's Symposium

For interchange of opinion among "C. & D." readers and brief notes on business and practical topics.

Warning

A gentleman is going round doing some sort of confidence trick on vendors of cameras. In the name of some tradesman in the vicinity he asks for a Kodak and also for a small camera. Professing complete ignorance of photographic matters he buys and pays for a 25s. V.P.K. on approval. This he returns in a few minutes, saying it is not big enough and requesting to be allowed to take a larger one. This was not permitted in my case, and subsequent inquiries at the tradesman's elicited the reply that they knew nothing of the matter. I am informed by a colleague that the identical procedure took place at his establishment, with the exception that a different name was mentioned.—S. St. V. R. Beechey, East India Dock Road, London, E.14.

Dosage by Spoonfuls

H. C. M. (5/4) writes pointing out that his remarks on dosage by spoonfuls in our issue of March 31 (p. 435) included a reference to $\frac{1}{2}$ -oz. graduations in 6-oz. and 8-oz. bottles, not as printed.

The Madeline Smith Case

If I remember rightly, the pharmacy from which Madeline Smith procured her arsenic in Sauchiehall Street, Glasgow, not far from Blythswood Square, no longer exists. I knew the shop well thirty-eight years ago, while serving my apprenticeship in Partick, Glasgow. The house in Blythswood Square where the poison was alleged by the prosecution to have been administered is now occupied by the Glasgow and West of Scotland Agricultural College, at which I was a student.—Peter Fenton, Kirkcaldy.

"Wants" List

I find there is no better plan than the fixing of a stout card (a disused showcard is often suitable), about 18 in. by 18 in., near the serving counter; it should have columns ruled and marked for the classes of articles selected, and a space also reserved for miscellaneous items. A pencil should be suspended from or near the card, and when ordering goods a vertical line should be drawn through the items. A fresh sheet may be pasted at one end and placed over each used sheet. Such sheets or cards might be printed and supplied by those who cater for chemists' requirements in stationery.—H. C. Meyrick, Liverpool.

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

R. F. C. (29/2).—CHINESE REMEDY FOR STOMACH AILMENTS.—This is an odourless, white powder, composed of sodium carbonate, 5 per cent.; magnesium carbonate, 8 per cent.; and potassium nitrate. No other ingredient appears to be present.

E. J. C. (21/4).—CAVITY VARNISH.—The following are formulas for ether-copal varnishes as used in dental work:—

I		II	
Gum copal	... 50	Gum camphor	... 6
Ether	... 50	Gum copal	... 25
Betanaphthol	... 5	Ether	... 50

Dissolve, filter, and add ether to make 75 parts.

M. P. (24/4).—OVERHEAD CHARGES.—The following is a typical analysis based on what are termed efficiency figures for an ordinary business:—Oncost, 9 p.c.; wages and salaries, 17 p.c.; net profit, 11 p.c., materials, 63 p.c. This would make wages and salaries 17 per cent. and overhead charges 9 per cent. These figures are worked out on a basis of fixing a selling price for goods. It should be borne in mind that salaries and wages include the employer's remuneration. The figures for wages in 1914 were about 25 per cent. less than now. The overhead charges, or oncost, vary so much that it is impossible to state definite figures.

J. W. A. (24/84).—ACRIFLAVINE STAINS.—To remove stains by acriflavine, treat the stain with dilute hydrochloric acid, or with sulphurous acid followed by the application of hydrochloric acid, and then wash.

S. A. S. (31/83).—PICRIC ACID IN PETROL is not a desirable addition owing to the danger of corrosion from nitric acid generated during combustion. It has been used for "stunt" purposes, but the amount added (1 oz. per gallon) does not add to the propulsive energy, because the engine "knocks" if flame propagation is accelerated. Another difficulty is the need for drying the wet picric acid of commerce before adding it to petrol, this being dangerous owing to liability to explosion. The picric acid might be added wet and the water allowed to settle out, but care must be taken in decanting, since drops of water in petrol are a nuisance, as they choke the carburettor jets. The idea of extra power from picric-acid doping is entirely fallacious.

J. B. L. (12/48).—(1) LIQUID SHAMPOO FOR DOGS.—This may be prepared as follows:—

Coconut oil soap	... 1 oz.
Distilled water	... 4 oz.
Dissolve with heat and add	
Carbolic acid	... 20 drops
Eucalyptus oil	... 5 drops

Allow to stand and filter.

(2) DRY SHAMPOO POWDERS FOR DOGS.—These are usually made of pinewood sawdust and magnesia, fuller's earth, kieselguhr or kaolin, to which may be added such deodorants as pine oil, eucalyptus oil, terebene or oil of cloves. A small quantity of naphthalene could also be incorporated.

G. S. (India) (2/3).—DUPLICATOR INK.—The following are the formulas for duplicator ink, published in the *C. & D.* about the period you mention:—

I		II	
Glycerin	... 1 lb.	Copaiba balsam	... 9 oz.
Honey	... 6 oz.	Lampblack	... 3 oz.
Black Treacle	... 1½ oz.	Indigo	... 5 dr.
Sugar candy	... 6 oz.	Prussian blue	... 5 dr.
Methylated spirit	... 4 oz.	Indian red	... 6 dr.
Water	... 2 pints	Powdered soap	... 2-3 oz.

Heat until a homogeneous mass is obtained, except spirit, which is used for dissolving 1 oz. of aniline black or other colour.

See also *C. & D.*, 1927, II, 752. We are unable to trace the particular formula you mention.

Legal Queries

J. W. (25/4).—"Smoker's throat" has been decided to be an ailment within the meaning of the Medicine Stamp Act, 1812, and the use of this term involves stamping.

C. & J. L. (18/84).—The references to ailments in the pamphlets, as well as the claim to proprietary rights, render the suppositories for piles liable to medicine-stamp duty.

F. E. M. (24/4) asks what restrictions there are upon Sunday trading. [A tradesman who carries on his usual trade on Sundays is liable to a fine of 5s. under the Sunday Observance Act, 1677. The Shops (Early Closing) Act, 1920, has been held by the Courts to apply to Sunday, so that it is illegal to keep a shop open on that day after 8 p.m. except for the sale of the exempted articles, including "medicines or medical or surgical appliances, so long as the shop is kept open and lighted only for such time as is necessary for serving the customer."]

T. B. (19/4).—The Inspector of Taxes has no statutory power to demand a deposit pass book. If, however, owing to an innocent mistake you have omitted to include bank interest in your return, and you are desirous of meeting your true liability, it would be wise, in the circumstances, to afford the inspector every facility. If no other means of proving your income from interest exists, and you also refused to produce your pass book, there is every probability that an arbitrary assessment would be made on you, against which an appeal could be lodged within twenty-one days, and, in support thereof, an account would have to be produced. The inspector may have accounts reopened for the past six years.

E. W. E. (24/4) sends copy of a prescription received from a medical practitioner to be dispensed at an hour which was not one at which intoxicating liquor could be sold, as follows:—Aspirin, gr. x; pot. brom., gr. xv; p. trag. co., q.s.; spt. vini. gall., ʒii; aq. ad., ʒss; mitte, ʒvi; ʒss four hourly. The pharmacist declined to dispense, because he did not hold a wine or spirit licence. He now asks: (1) If he had a supply of brandy on the premises, could he dispense the prescription? (2) If he had no brandy, would he be entitled to knock up a licensee to obtain the brandy necessary to dispense? (3) Is it out of his power to dispense the prescription at all? [The answer to (3) is "Yes," and this disposes of the other queries. The pharmacist not being licensed to sell spirits could not dispense this as "spirits made up in medicine" within the meaning of the exemption granted to such spirits under the Licensing Acts. And as to (2), it may be added that the licensee would not be at liberty to sell the brandy even for such a purpose outside of permitted hours.]

Retrospect of Fifty Years Ago

Reprinted from

"The Chemist and Druggist," April 15, 1878

Patent Medicines in the Pharmacopœia

Mr. Halberg, of Chicago, has ventured on a plan for diminishing what he terms the unanimously admitted evil of our profession—the sale of patent medicines. He calls attention to the fact that if formulæ for a few staple preparations were admitted into the pharmacopœia it would tend to reduce the sale of nostrums of unknown composition. He would select a few remedies of true merit and efficiency, as, for instance, a good expectorant, a simple tonic bitter elixir, a cholera mixture, and recipes of a similar description. The introduction of such specifics would not only have a tendency to run patent medicines out of the market, but would lessen promiscuous prescribing by the pharmacist and raise the standard of the profession. In what way these desirable results would be thus attained it is difficult to say. It is not the province of a Pharmacopœia to guide unauthorised prescribing, and the writer seems unaware that the sale of the best-known patent medicine depends, to no small extent, on the skill or frequency with which it is advertised. Drop publicity and the demand ceases. In any case we should deprecate the interference of a standard authority with trade pharmacy; low prices and suicidal competition, together with late hours, are evils which we should like to see amended first: essentially business matters must be left to the honourable feeling and discretion of the chemist and druggist.



[Commenced C. & D., July 5, 1924]

On Demand.—This expression covers a cheque which when presented (there being funds to meet it) is payable on demand. Bills of exchange and drafts which are payable "at sight," and not at some fixed future time; have not the customary three days of grace, and are therefore also payable on demand.

Open Account signifies that an account is current or in movement, is unsettled or outstanding. In Stock Exchange operations such an account refers to the open speculative position of any security or a group of securities.

Opium, Commerce.—Although the world production and commerce in opium has steadily declined in importance since the first Hague Opium Conference sat in 1912, Turkey still remains one of the most important producers, but the cultivation of the poppy is now restricted to a comparatively small area in that country, and in consequence of the depopulation of certain districts during recent years, coupled with the indolence of the rural element, much less attention has been paid to its cultivation. The principal districts of cultivation now are Afion Karahissar, in the vilayet of Smyrna, in the districts of Amassia, Gumuch, Hadji Keny and Balukissar, where conditions are particularly favourable. Prior to the war the production of opium in Turkey averaged 500,000 okes annually, but since the war the total output has fallen to about 250,000 to 300,000 okes (1 oke = 2.82 lb.). The following are crop figures: 1921, 1,500 cases; 1922, 1,100 cases; 1923, 2,200 cases; 1924, 2,500 cases; 1925, 3,500 cases; 1926, 3,150 cases. In 1925-26 the bulk of the opium produced in Turkey was exported to Germany and Switzerland, these two countries taking approximately 175,000 okes of the total production of 228,000 okes, the remainder being sold to England, Japan and the United States. The chief customers for Turkish opium are in this order of importance: Germany, United States, Switzerland, Great Britain, Italy, Rumania, Japan, France, Netherlands, Egypt and Greece. Exports of opium from 1923 to 1926 inclusive were as follows: 1923, 385,019 kilos; 1924, 202,633 kilos; 1925, 267,901 kilos. Jugo-Slavia produces about 150,000 kilos of opium annually, but the 1926 crop did not produce more than 90,000 kilos. In British India the cultivation of opium is permitted only under license granted to cultivators who obtain advances from the Government to meet the cost of production, on the understanding that the whole of this output is sold to the Government factory at Ghazipur, United Provinces, at a rate fixed by the Government. The opium trade was created a Government monopoly in 1773, and in 1817 the cultivation of the poppy, except on account of the East India Company, was forbidden. All opium was auctioned with the stipulation that it should be exported. In British India, as in Indian States, the area under opium has since 1907 been much curtailed owing to the agreement come to with the Chinese Government for the suppression of the opium traffic with that country, and the opium factory at Patna was closed. In 1908 an arrangement was made with China by which the total exports of opium from India were to be reduced annually by 5,100 chests from an assumed standard of 67,000 chests, and by a further agreement in 1911 the reduction was accelerated by further limitations. Exports to China have been discontinued altogether since 1913. In British India the cultivation of the poppy is now restricted to the United Provinces, and the product is known as Benares opium. While 488,548 acres were under the crop, yielding 71,340 maunds of opium in 1907-08, in 1911-12 the area was reduced to 200,672 acres, producing 31,473 maunds, and

in 1913-14 to 145,000 acres. In 1921-22 the area under poppy was 135,000 acres, a decrease of 4.23 per cent. on the total of the previous year, and in 1924-25 it was 115,851 acres. The seed is broadcasted in October and November and the crop harvested in March and April. At the Ghazipur factory three classes of opium are manufactured: (a) Provision opium which is intended for export; (b) excise opium for home consumption, the duty on which varies in different provinces, and (c) medical opium for export to London and for supply to the Medical Department in India for medical purposes. Provision opium is made up in balls or cakes weighing 3½ lb. each, forty cakes going to the chest. It is generally of 70° consistency. Excise opium, which is of 90° consistency, is made up in cube packets of one seer each, 60 packets to the chest. Medical opium is made up into cakes, each weighing 2 lb. at 87.50° consistency. No accurate statistics are available regarding the production and exports from Persia. The following table shows the imports into and the re-exports from the United Kingdom during the past five years:—

Imports

From	1922	1923	1924	1925	1926
France.. ..	lb. —	lb. 21,949	lb. 2,436	lb. 1,605	2,397
Greece	—	260	1,410	1,600	—
Turkey, European	24,175	49,907	42,723	21,472	16,887
Turkey, Asiatic	154	65,561	16,056	10,329	21,688
Smyrna	114,013	—	—	—	—
Other foreign countries ..	5,955	2,793	1,161	75	1
Total from foreign countries ..	144,297	140,470	63,786	35,081	40,973
Value£	79,381	116,758	89,372	43,175	48,145
British India	—	—	58,400	132,011	96,000
Other British countries ..	—	—	88	—	—
Total from British countries ..	—	—	58,488	132,011	96,000
Value£	—	—	62,960	136,868	93,189
Total	144,297	140,470	122,274	167,092	136,973
Value£	79,381	116,758	152,332	180,043	141,334

Re-exports

To	1922	1923	1924	1925	1926
Russia	lb. —	lb. 45	lb. 2,386	lb. 2,287	lb. 13,146
Estonia	—	—	2,205	—	—
France	717	806	949	526	—
Spain	1,548	—	—	143	110
Persia	32,795	11,618	—	—	—
United States	14,323	6,671	8,170	16,836	6,116
Chile	—	—	220	274	—
Other foreign countries ..	3,793	1,080	1,042	2,175	736
Total to foreign countries ..	53,176	20,220	14,972	22,241	20,108
Value£	63,137	22,841	23,350	26,535	25,420
Total to British countries ..	1,703	1,580	1,931	775	2,173
Value£	1,355	1,306	3,469	1,266	2,548
Total	54,879	21,800	16,903	23,016	22,281
Value£	64,492	24,147	26,819	27,801	27,968

The imports (lb.) of opium (containing 8.5 per cent. of morphine or over) into the United States during the past six years were as follows:—1921, 78,850; 1922, 149,150; 1923, 113,800; 1924, 79,700; 1925, 91,000; 1926, 104,400; 1927, 148,200.

Opopanax.—The true variety is a gum-resin used on a small scale in medicine and having a disagreeable, pungent odour recalling crushed ivy leaves. This has nothing in common with the opopanax of perfumery, the botanical origin of which has been cleared up by Holmes. The essential oil, obtained to the extent of about 8 per cent. from the gum-resin, is a fragrant oil having the following characters:—Specific gravity, 0.870 to 0.905; optical rotation, about -14° ; refractive index, 1.4890 to 1.4940. The gum-resin itself has the following characters:—Gum soluble in water, 22.1 per cent.; gum soluble in alkali, 29.85 per cent.; resin, 21.5 per cent.; essential oil, 7.8 per cent.; water, 3.17 per

The C.&D. Commercial Compendium

cent.; insoluble vegetable debris, 13.4 per cent. Hölmes, in dealing with the botanical origin, prefers to call the opopanax of perfumery "sweet myrrh" or "bisabol." He states that although it has been used as an article of Eastern commerce since the time of Moses, and in China from time immemorial, yet it appears but rarely on the London market. At Kew the plant is thought to be *Commiphora glabrescens* or *C. erythraea*. Dr. Drake Brockman, in his book on "British Somaliland," says that the bisabol tree is found only in the Haud, Nogal Valley and Ogadain districts. The tree is called *hadi* and the gum-resin *habbak-hadi* by the natives. This *habbak-hadi* is always packed in separate skins, and is never mixed with the true myrrh. The bisabol is brought to the great fair at Berbera, whence most of it reaches China, where it is used in the preparation of joss-sticks, used like incense in the Chinese temples. It seems clear that bisabol is the myrrh of the Old Testament, for medicinal or bitter myrrh has never been used as a perfume and has not a sweet odour when burnt. Bisabol might easily be mistaken at a casual glance for myrrh, as their appearance is very similar, but hardly for opopanax. Opopanax has a distinctly unpleasant odour and taste, and does not possess the whitish streaks and small patches that myrrh has. Perfumed myrrh could easily be bought at Berbera Fair from November to February if asked for as *habbak-hadi* or bisabol, and it is probable that any so bought would be pure.

Optical Advertising.—Apart from window displays (q.v.) and the national advertising campaign conducted by the National Council for the Preservation of Eyesight, the chemist-optician should make good use of the local Press for advertising his particular business. Electrodes of eyes, spectacles and other designs can be purchased from manufacturing opticians; booklets and handbills can be obtained from stock from the usual printers. Matter which directs attention to the benefits of improved vision and a short description of the more common defects is generally read, or a diagram of a small astigmatism fan with short instructions how to use it is useful, as most people will try to see if all the lines appear equal to them. A certain amount of care is necessary in advertising matter, as such startling headlines as "Are you going blind?" may scare instead of draw customers. Another phrase to be avoided is "Sight tested free"; no professional man works for nothing, and the public is not likely to believe such statements. Spectacle and clip cases should be stamped with name and address when ordered in sufficient quantity, the expense being only the initial cost of the die, whilst counter bills should be included in parcels of medicines.

Optical Department.—In most cases it is impossible for the single-handed chemist to carry on sight-testing, because it is necessary to spend considerable periods of time in a room apart from the pharmacy, so that it is a *sine qua non* that the chemist-optician should have an assistant who can be trusted alone at the counter while optical work is being done. In regard to the sight-testing room, this should be on a level with the pharmacy and not up or down a flight of stairs, which might be awkward for customers afflicted with defective vision or to elderly people. The room should be fairly lofty, and not too narrow; it should be papered or distempred with a plain dark colour—for example, a quiet shade of green—and there should be no foreign objects, such as pictures or shelves full of miscellaneous goods, which might divert the customer's attention from the test-types. The correct length for the room is twenty feet, or the infinity distance for the test-types. If such a room is not available, use must be made of a reversed type and a mirror, thus reducing the length of the room by half. Two or three chairs and a table for the trial case are all the furniture really needed, and a desk or writing table is useful for keeping the prescription book and records, but the pharmacist will suit his fixtures to his pocket, as all kinds of luxury fittings are obtainable. The floor should be covered with some material which

will not give rise to dust and will not cause undue noise when walked on, a good thick linoleum which is easily cleaned being eminently suitable. The following is a list of the apparatus which will be necessary for the commencement:—Trial case; adjustable trial frame; test types and charts; retinoscope; ruler; pliers; screw-driver; prescription book; near point measure and a lens measure. Such an outfit can be purchased for about £35 to £40. The next thing to consider is the stock, and when placing his opening order the chemist should not allow himself to be induced to lay in a large quantity of lenses and frames. The general demand to-day is for rimless clips and spectacles, gold-filled frames for reading glasses, and a certain call for shell frames, some real, but mostly imitation. In addition, it must be remembered that manufacturing houses also have well-organised jobbing departments, which execute the orders by return of post. Small repairs and adjustments can be done at home; more elaborate repairs require a soldering outfit, consisting of a blowpipe, Bunsen burner, borax plate, soldering clip, tweezers and files. A larger business, catering for all classes of work, requires considerably more outlay in the workshop. A small number of frames and clips, and an assortment of spherical lenses, 1 or 0 eye size, up to 3.0 D, can be stocked for simple cases, such as reading glasses. For fitting rimless clips it is best to get a sample set glazed with plano lenses for trial purposes, as if fitted without the lenses the added weight entirely alters the adjustment. Cases, both snap and frogmouth, and a few assorted eyeglass chains, will be required, while motor goggles, lorgnettes, tinted spectacles, sun glasses and opera glasses can be added at discretion as the business develops. It must be remembered that the sale of gold and silver articles over two and five dwts. respectively requires a plate licence.

Optical Diplomas.—The two most esteemed optical diplomas, so far as ophthalmic opticians are concerned, are those of the Spectacle Makers' Company and the British Optical Association. Full particulars of these and other optical examinations are given annually in the Educational Number of THE CHEMIST AND DRUGGIST.

Optical Examinations.—See Optical Diplomas.

Optical Qualifications.—See Optical Diplomas.

Optical Rotation.—See Polarimeter.

Opticians' Titles.—The question as to what the person who tests eyesight and fits spectacles shall call himself has caused much discussion in the optical world. The difficulty in finding a word at once euphonious, correct and likely to be understood by the public is considerable. The objection to the word "optician" is that it implies a dealer in all kinds of optical instruments, although in its restricted sense it has come to mean one who makes or deals in spectacles. To apply the word more directly to the eyes, some prefix "ophthalmic," meaning "pertaining to the eye." The use of the title "chemist-optician" has been objected to by some, but as part of the title is restricted by law to those who have passed certain examinations, it is obvious that pharmaceutical chemists and chemists and druggists are able to use a protected title, and at the same time indicate to the public their scientific and technical training. The British Optical Association in 1903 sent out inquiries for suggestions as to the best title. The considerations were (1) that the word can be pronounced at first sight by the man in the street; (2) that it is easily spelt from its first sound; (3) that it is not humorous or lacking in dignity; (4) that it cannot be twisted by the lay press into other significations; (5) that it will have some meaning of sight testing as opposed to a maker of frames and lenses or a medical practitioner; (6) that it will not savour of quackery. Among the replies received the following were some of the titles suggested; Refractionist, optician, consulting optician, optologist, optometrician, doctor of refraction, dioptrician, optometrist, optometrist, sight-testing optician, refractionist, licentiate in optics and ophthalmic optician. The title in greatest use to-day is probably "optician."



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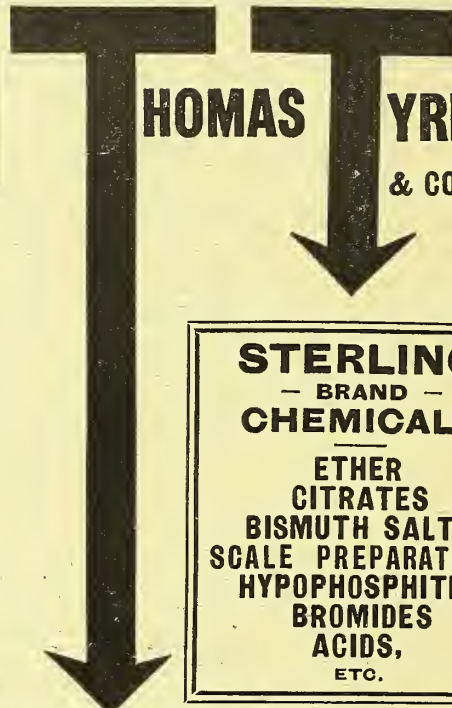
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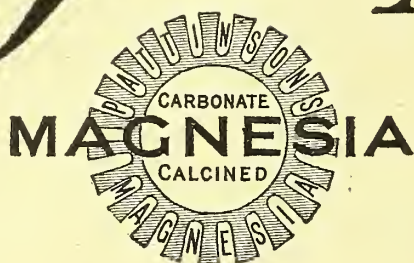
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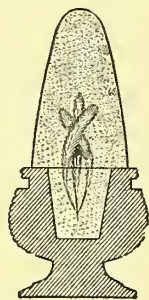
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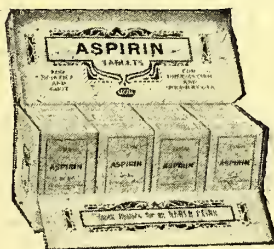
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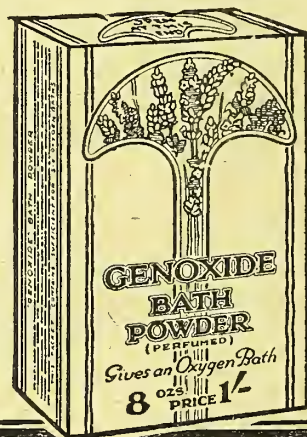
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The chemist who places the 'ASPRO' Window Display in his window gets the benefit of this advertising just the same as if his own name appeared in the advertisement. Demonstrated results are always better than statements, so we herewith give one from the many letters received from chemists who are featuring 'ASPRO' Window Displays. It tells its own story.

Messrs. Gollin & Co. Pty. Ltd.

Dear Sirs,—I have pleasure in enclosing for your inspection a photograph of 'ASPRO' display. This display has been entirely successful except winning a prize in the competition which is yet to be judged. Apart from that I am well pleased with the results. Taking into consideration that 'ASPRO' is extensively advertised and has become a household word with people, I think that when I state that the sales almost doubled themselves that this fact is worth recording. Over and over again they are being bought by those who have once taken them. This in short is eloquent testimony of their worth. That they do what you claim I have no doubt, and however critics may argue their composition 'ASPRO' remains pre-eminent, or, as I show in the window, "the best by every test." Faithfully yours—

P.S.—In fairness to 'ASPRO' I should state that 'ASPRO' customers are frequently customers for other goods (*verb. sap.*).

'ASPRO'
REG. TRADE MARK

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to medical science, and its claims are based on its superiority.

Agents: **GOLLIN & Co. Pty. Ltd. ('Aspro' Dept.), SLOUGH, Bucks.**

No proprietary right is claimed in the method of manufacture or the formula.

'Phone: Slough 608.

THE ANGLO-FRENCH DRUG CO. LTD.**Distributing Agents for High-Class French Pharmaceutical Preparations.***Continuous and active propaganda is being conducted with the Medical Profession for the following lines:—***SYRUP CRÉOSAL (Dubo's).****ADREPATINE****CRYOGENINE (Lumière)****DIGLOBIN****ELIXIR BROMO-VALERIAN (Gabail)****FEMIVIR****FOSFOXYL (Carron)****HOMOVIR****IODASEPTINE (Cortial)****IODOBESIN****KINECTINE****MYCOLACTINE****ORARGOL****SEPTICEMINE (Cortial)****STANNOXYL**

AND

INTRAVENOUS SOLUTIONS (A.F.D.).*LIBERAL DISCOUNTS GIVEN TO RETAIL AND WHOLESALE CHEMISTS.**Your co-operation in carrying stocks or in promptly obtaining supplies will be appreciated.***PRICE LIST AND PARTICULARS FORWARDED ON REQUEST.****238a GRAY'S INN ROAD, LONDON, W.C.1**

Telephone: MUSEUM 4029.

Telegrams: AMPSALVAS, LONDON.

Associated Houses: Paris, New York, Montreal, Bombay, Sydney, Wellington, Tokyo.

Himrod's
ASTHMA
CURE*Established
50 years*

IT is a powder to be burned and the fumes inhaled without any bad after-effects. Recommended by physicians throughout the world.

"I have tried every remedy ever invented, and 'Himrod's Cure' is the only one in which I have absolute confidence."—EMILY FAITHFUL.

"This is an excellent remedy for Asthma."—Sir MORELL MACKENZIE (in his Clinical Lecture at the London Hospital and Medical College).

"The only relief I could get; if I had only known of it before."—LORD BEACONSFIELD, in his dying moments.

Himrod Manufacturing CompanySOLE PROPRIETORS,
270 WASHINGTON STREET,
JERSEY CITY, N.J., U.S.A.**PRESS ADVERTISING
IS BOOMING****FULLERS**
CELERY PERLES**HOW ARE YOUR STOCKS ?**

Supplies from every Wholesaler.

**The Fuller Laboratories, 1, Crutched Friars,
London, E.C.**

Telephone: Royal 8592.

GARFIELD TEA**PROMPT SHIPMENT
ALL SIZES***'Phone or Write :***GARFIELD TEA CO.**44 Foxbourne Road
BALHAM, LONDON, S.W.17.

*Collosol***IODINE PASTILLES**

(CROOKES)

MEDICAL OPINION recognises this excellent method for the prevention of infectious diseases.

A convenient and most effective form of applying colloidal iodine; the ideal mouth and throat antiseptic.

NON-IRRITANT. — PALATABLE.

Particulars of special bonus terms for retailers will be sent upon application.

MANUFACTURED SOLELY BY

Telephone Nos:

Museum

3663, 3697, 5757.

THE CROOKES LABORATORIES

(BRITISH COLLOIDS, LTD.)

22 CHENIES STREET - LONDON, W.C.1

Telegrams:

"Collosally,
Westcent,
London."

Export Distributing Agents, AYRTON, SAUNDERS & CO., LTD., LIVERPOOL.

BELTONA**THE NEW TREATMENT FOR RHEUMATOID ARTHRITIS, RHEUMATISM, NEURITIS, SCIATICA, LUMBAGO, GOUT, COLITIS AND ALL INFLAMMATORY CONDITIONS.***The following Testimonial proves what Beltona will do:—*

To BELTONA LIMITED,

GENTLEMEN,

Received bottle safely.

RESULT:

Jan. 9th.	Helpless in bed with Fibrositis
Jan. 10th.	Rheumatism in both feet
Jan. 11th.	
Jan. 12th.	

GEORGE DAWSON,
Landscape and Portrait Painter,
7 DUNN STREET, DALMUIR.

Jan. 13th. Bottle received, eased pain
Jan. 14th. Pain away, swelling away, out of bed

Yours truly,
GEORGE DAWSON.

WONDERFUL!!!

P.S.—You can use this testimonial in full.

Earn the thanks of your Customers by recommending BELTONA.**IT WON'T LET YOU DOWN***Very liberal terms for Small Display Parcel.**Particulars on request.***BELTONA LTD., HIGH STREET, HODDESDON, HERTS.***Stocked by all the Principal Wholesalers.*

Supplies for Australia can be obtained from Mr. C. E. BERGLIN, 419 Upper Edward Street, Brisbane, Australia.
Supplies for the Irish Free State can be obtained from Mr. VICTOR E. HANNA, M.P.S.I., 69/70 Lower Mount Street, Merrion Square, Dublin.

Supplies for India can be obtained from Messrs. PARK SUPPLIES Co., P.O. Box 621, Bombay.
Supplies for South Africa can be obtained from Messrs. MACDONALD, ADAMS & Co., Ltd., Chemists, Johannesburg.

POISONS and PHARMACY ACT.

Privy Council Order, Jan. 1, 1921.

DANGEROUS DRUGS ACT, 1920.

Regulations of May 20, 1921. (Operative Sept. 1, 1921.)

**Dr. J. Collis Browne's
CHLORODYNE**

is not affected by above Order or Regulations.

It does not require purchaser's signature.

Proprietors: J. T. DAVENPORT, Ltd., 83/87 Union Street, S.E.1

"Mulum in Parvo."

"VAPOFORM" Disinfectant

Regd.

For disinfection of
Rooms
Confined Spaces, &c.for HOME
and HOSPITALHas no injurious effects
whatever on Furniture,
Utensils, &c.Small size, capable of disinfecting
1000 to 2000 cubic ft., 8/6 per doz.
Large size, capable of disinfecting
3000 to 6000 cubic ft. 13/- per doz.

Sole Proprietors—

HARKNESS, BEAUMONT & CO., LTD.
Wholesale Chemists, EDINBURGH.

ESTABLISHED OVER 60 YEARS

**PERRYS
POWDERS****FOR CHILDREN'S AILMENTS**

TRADE



MARK.

Wholesale from PERRYS POWDERS, Ltd., LEEDS

Antiphlogistine

£5 Orders give 33% net. Carriage Paid

THE DENVER CHEMICAL MFG. CO., LONDON, E.3

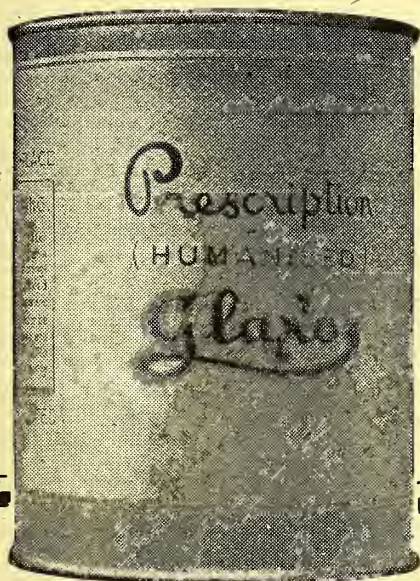
Stock both forms

of

Glaxo

and advise the use of Prescription (Humanised) Glaxo for the first three or four months, or for delicate babies for longer. Most babies thrive best on ordinary Glaxo after the fourth month.

PRESCRIPTION (Humanised) GLAXO
retails at 1/6 and 4/6



STANDARD GLAXO
retails at 1/6, 2/6, 4/6 and 7/6



Order from Sangers or from your usual Wholesaler.

May we call your attention to:—

PETROLAX

(REGISTERED TRADE MARK)

THE IDEAL PARAFFIN AND AGAR-AGAR EMULSION
AND

PETROLAX COMPOUND

A COMBINATION OF PETROLAX AND PHENOLPHTHALEIN

Manufactured and Marketed by an ALL BRITISH Firm.

Consequently the margin of profit to the Retailer is good.

It is not necessary to have money lying on your shelf in order to get the best terms. You are the best judge of your requirements, and can order accordingly.

*Note the Prices:—*RETAIL 2/- (Nominal $\frac{1}{2}$ lb.) 14/- doz.

„ 3/6 („ 1lb.) 24/- „

„ 6/- („ 2lb.) 44/- „

Stocked by the leading Patent Houses, or direct from the SOLE MANUFACTURERS:—

C. R. HARKER, STAGG & MORGAN, LTD.

Mile End, London, E.1

BESORBON

(Dr. Hill's Formula)

— MEDICINAL SNUFF. ABSOLUTELY THE
FINEST REMEDY FOR CATARRH & COLD
IN THE HEAD.

Richard Dickeson & Co.

(Incorporated with Reynolds, Sons & Co., Ltd.)
57-59 CHARTERHOUSE STREET, LONDON, E.C.1.

FREEMAN'S Chlorodyne

the ORIGINAL and BEST. Extensively used throughout the world since 1844.

Best for the Public—Best for YOU—all-ways.

DOES NOT REQUIRE CUSTOMER'S SIGNATURE.

Cable Address: "Chlorodyne, London."



'Vitality Pips'

A wonderfully efficient Tonic. Especially prescribed.

P.A.T.A. Retail Prices 1/3 and 3/-

YOUR PROFIT 33 1/3% ON COST.

A Packet on the counter is a real money magnet.

Petrolagar

YOU please the doctor and his patient who is your customer by always being in a position to supply 'Petrolagar' on demand. An imitation of this or any other worthy product will displease your customer, no matter how cheap the imitation is.

'Petrolagar' is the trade mark distinguishing the fine emulsion of mineral oil and agar-agar issued in four varieties, Plain, with Phenolphthalein, Alkaline and Unsweetened, manufactured only by DESHELL LABORATORIES LTD., BRAYDON ROAD, LONDON, N.16

Compound Syrup of HypophosphitesTRADE **"FELLOWS"** MARK

Compound Syrup of Hypophosphites "FELLOWS," in addition to being in constant and increasing demand, adds distinction to a chemist's show window.

It is a symbol of progressiveness and reliability.

Tablets Laxative "FELLOWS"*"The Tablet With a Pedigree"*

IN TWO SIZES, NAMELY:

LARGE BOTTLES
(Containing 100 Tablets)

SMALL BOTTLES
(Containing 40 Tablets)

Fellows Medical Manufacturing Co., Inc.

26 Christopher Street

New York City, N. Y.

LABORATORIES:

Mexico City, Mexico; Montreal, Canada; Paris, France; Milan, Italy;
Barcelona, Spain; Berlin, Germany.

Vapo-Cresolene

The vapourised antiseptic remedy that for nearly 50 years has been the proved remedy for Coughs, Colds, Bronchitis, Influenza, Asthma and all bronchial troubles.

A Big Seller
yielding Big Profits

Vapo-Cresolene is one of the lines
every Pharmacist should stock.

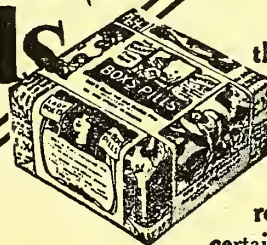
SEND AN ORDER TO-DAY

and reap the benefits of the

EXTENSIVE ADVERTISING

now appearing in 30 leading Dailies, Periodicals and Magazines, including *Daily Mirror*, *Daily Sketch*, *News of the World*, *Home Chat*, *Weldon's Journal*, *Good House-keeping*, *Nash's Magazine*, etc.

Allen & Hanburys, Ltd., Lombard St., London, E.C.3

BOX'S
Pills

You've heard of them before. You may have been asked for them already. You certainly WILL

be asked for them, because demand is now being steadily developed by advertising.
(Display material supplied free.)

Sizes: 1/3, 3/-, 5/-, 12/-, and 22/-
(On P.A.T.A.)

Wholesale prices on application.

Prepared only by the Proprietor:
W. H. BOX, Giant Pill
Manufactory, 161 King St.
PLYMOUTH.

Telegrams: "Giant, Plymouth."

Awarded 2 Gold Medals and 2 Diplomas International Exhibitions, Paris and Rome, 1914.

CLARKE'S BLOOD MIXTURE & OTHER PREPARATIONS

Wholesale Prices.

	SIZES.		PRICE PER DOZEN.	
Clarke's Blood Mixture	3/-	& 12/-	£1:7:0	& £5:8:0
„ Miraculous Salve	1/3, 3/-	& 5/-	11/-,	£1:7:0 & £2:4:6
„ Special Aperient Pills	1/3, 3/-	& 5/-	11/-,	£1:7:0 & £2:4:6
„ Patent Skin Lotion	1/3			11/-
„ Medicated Soap	1/-			9/-

Orders: Minimum quantity £16:4:0 value.
FREE CASES. Carriage paid upon orders of £100.

All Wholesale Houses keep a large stock of our Preparations and can supply smaller orders promptly.

Minimum Retail Selling Prices: 1/-, 1/3, 3/-, 5/- & 12/- Face Value, giving a PROFIT of 33 $\frac{1}{3}$ % on cost to Distributors.

An attractive Showcard and Dummies supplied on application.

Trade Mark: "BLOOD MIXTURE." Regd. No. 3275.

Sole Proprietors:

THE LINCOLN & MIDLAND COUNTIES DRUG CO., LTD.
Park Street, LINCOLN.

CAN YOU MEET the demands of the Medical Profession and the Public for

"ROBOVAL"

(Elixir Strontii Bromid. c Valerian Deodorat.)

An excellent Calmative and Nerve Sedative, free from any disagreeable taste or odour.

8 oz. BOTTLES, EACH **3/6**

(Subject to the usual trade discount.)

A BRITISH PRODUCT

Manufactured and extensively advertised by—

ROBERTS & CO.

Pharmaciens to H.M. the King

76 NEW BOND STREET, LONDON, W.1

CAPULVÆ

or

**GELATINE CAPSULES
FOR POWDERS**

Filled or Empty.

SPECIALITIES:

*Private Formula, Prescriptions,
and Gland Products.*

John W. Mawson & Co., Ltd.

West Norwood, London, S.E.27

Phone: Streatham 0718.

When ordering through Wholesalers specify "CAPULVÆ CAPSULES."

Progress!

Make 1928 a better year
by pushing

Dr. Cassell's Tablets

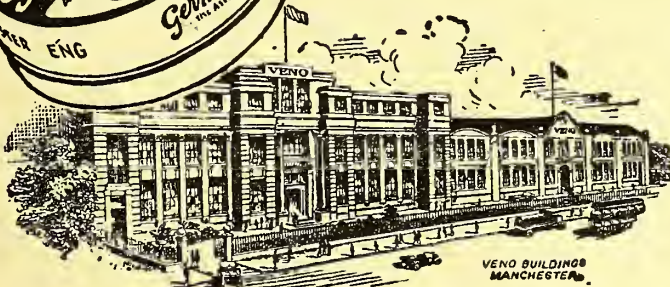
Veno's Lightning

Cough Cure

Germolene

Impressive advertisements in the
National and Provincial Press.
Striking new Show Material and
Display Screens.

SEND FOR
PARTICULARS
OF WINDOW
SHOW TERMS



VENO BUILDING
MANCHESTER

VENO DRUG CO. (1925) LTD.

VENO BUILDINGS, MANCHESTER

B. ACIDOPHILUS EMULSION

(For CONSTIPATION)

This preparation, which is put up only in a standard 12 oz. bottle, is now available through all of the principal wholesalers.

Interesting literature concerning its usefulness in the treatment of chronic constipation and intestinal toxæmia will be sent on request.

You will receive a steadily increasing number of prescriptions for it. P.A.T.A. terms.

E. H. SPICER & CO., LTD.
Laboratory & Works: WATFORD, HERTS.

And at 72, WIGMORE STREET, LONDON, W.1.



The many Trade friends of Yadil will hear with pleasure that our sales are steadily creeping up. The volume of Trade orders and Enquiries becomes greater each week, and the regular insistent demand proves that public confidence in Yadil is being justified everywhere.

We ask for co-operation on the part of Chemists by means of counter and window displays. Let the public see that you stock Yadil, and not only will you assist us, but you will find justification in the resulting business.

'Yadil'

is powerful, efficient and safe

YADIL PRODUCTS (1925) LIMITED
Sicilian House, Sicilian Avenue, London, W.C.1

LONDON CHEMISTS

your customers are now
receiving a Free box of

EX-LAX
CHOCOLATE LAXATIVE

Sold in two sizes

6d. and 1/3 per box.

Stocked and supplied by all
Wholesalers, or for Window
Display Terms to

Sole U.K. Distributors:

PENNEY & CO., Ltd.

16/18 Beak St., Regent St., London, W.1

Telephone: REGENT 3825.



Last month we put this question to you—
“Better than a living profit?” Those chemists who wrote to us in reply were certainly pleased with their investigation of our offer.

Success in Business :

The success of your business depends solely on you, as a salesman, to sell your customers the right kind of merchandise at the right time for the right purpose. Therefore, if you are convinced that the products you are handling are genuinely honest, it needs no extra endeavour to sell a line that shows more profit than it does to sell a brand where the profit realised is bare.

Irrespective of what profit you obtain in any sale over a week, month or year, your overhead and expenses always remain the same.

Something you have been missing :

To those chemists who have not yet entertained the Nyal proposition, here is a good

profit-showing offer that you have been missing.

Here's your chance :

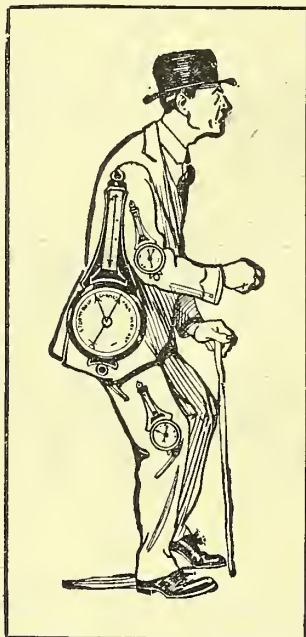
Thousands of chemists in all parts of the world are making more than a living profit by selling their customers Nyal lines. Here is a chance for you to do the same—to get a greater margin of profit by selling honest and genuine Nyal products.

Build Goodwill :

Instead of working your passage and making your profits just meet your overhead, build up a repeat business attached to which is a really worth-while profit. Write to us to-day and we will send you full particulars as to how this can be done. By hesitating you are losing money.

NYAL COMPANY LTD., SLOUGH, BUCKS





WRITE FOR PARTICULARS
OF CASH BONUS FOR
WINDOW DISPLAY

It does not matter where the Barometer is

CURICONES

will deal with the trouble, be it

**Rheumatoid Arthritis, Neuritis,
Rheumatism, Gout, Lumbago
or Sciatica.**

Quick Sales.

WELL ADVERTISED.

Generous Terms.

RECOMMENDED BY DOCTORS.

Stocked by all Wholesale Houses.

Other Lines which also pay to stock:—

ANTHROIDS BALM, CURILAX, VICAPS, STEMAT ANTI-CATARRHAL TABLETS, STEMAT ANTI-CATARRHAL BALM, My Lady's ROLETTE WRINKLE ERADICATOR, SANALVE, THE QUOPAD MASSAGE APPLIANCE, VANITY BOXES, &c.

STEPHEN MATTHEWS & CO. Ltd.

Manufacturing Chemists.

19-20-21 FARRINGTON STREET, LONDON, E.C.4.

'Phone: City 8342.

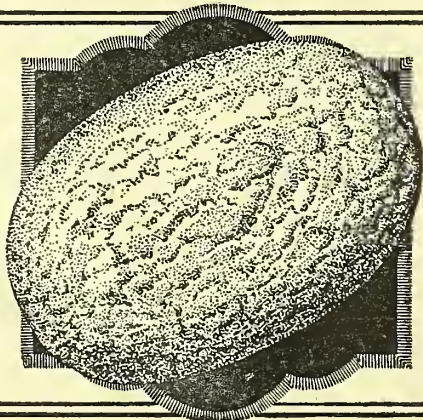
Wires: "Curicone, Cent, London."

ATKINSON & BARKER'S INFANTS' PRESERVATIVE

THE BEST AND SAFEST INFANTS'
MEDICINE OF OVER 120 YEARS' STANDING.

Prices and Terms on application to R. BARKER & SON, Ltd.
13 Wesley St., C.-on-M., MANCHESTER.

**DOES
NOT
CONTAIN
any
SCHEDULED
POISON.**



*Two thirds
actual size*

Bath Rusks

Unsolicited testimonials daily for Carr's famous Bath Rusks which are ideal for babies and young children. Scores of letters from grateful mothers. Recommended everywhere.

Made only by

CARR'S of Carlisle

The Oldest House in the Trade

MASON'S EXTRACT OF HERBS

MASON'S WINE ESSENCES

(SUMMER FLAVOURS)

CLARK'S LIVER SALT

□ □ □

Please apply for Price Lists and particulars of

WINDOW DISPLAY ALLOWANCES

□ □ □

NEWBALL & MASON, LTD.
NOTTINGHAM.



Saint-Raphaël

**Tonic, Restorative,
Digestive Wine.**

Known throughout the World,
and prescribed in all cases of
ANÆMIA, DEBILITY, and
CONVALESCENCE, to Young
Women, Children and the Aged.

DOSE: One wine-glass after the
two principal meals.

Recommended by—

PROF. BOUCHARDAT, Professor of
Hygiene, Paris Faculty of Medicine.
DR. MACNAUGHTON JONES, London,
England.

"For more than thirty years St. Raphaël Wine has been
exclusively prescribed, with success, in the Paris hospitals
as a pure tonic, by eminent physicians, such as Magendie
Ros on Chomel, Velpeau, Requin, Monneret, Trousseau,
Grisolle, Laënnec, &c."—*Union Medicale*, May 8 and
June 12, 1873.

"The 'Vin de St. Raphaël' is often used for ladies
nursing their own children; it is preferable to stout, which
creates an unhealthy fat."—*The Lancet*, London, England.

"St. Raphaël Wine is most precious in all cases where
it is necessary to give tone to the system, without effort
or shock."—DR. C. DES BARRES.

Cie du VIN SAINT RAPHAËL, Valence, Drome,
FRANCE.

**To be obtained from all
Wholesale Druggists.**



**When you require
Medicinal Non-Freezing**

COD LIVER OIL B.P.

be sure to only get the
guaranteed genuine

LOFOTEN

Quality

"VITA" BRAND

produced by

RAGNAR SCHJØLBERG,
Bodø, Norway

entirely in their own large and most
modern plant of latest design, from
finest possible obtainable quality
Pure Lofoten Cod Liver Oil.

PROTECT YOURSELVES

against inferior or mixed oils by
placing your orders for "Vita"
Brand under our guarantee.

STOCKS ALWAYS HELD IN LONDON

Full particulars and samples from :

BRUCE STARKE & Co.

**16 Water Lane,
Great Tower Street,
LONDON, E.C.3**

SOLE AGENTS FOR U.K.

Telegraphic Address: "Starkemad, Bilgate, London."
Telephones: Royal 0137 & 0138.

An absolutely pure spirit !

**WATNEY'S
GRAIN SPIRIT
DOUBLY RECTIFIED**

for

**MANUFACTURING CHEMISTS
& DRUGGISTS, PERFUMERS, Etc.**

This high-grade spirit is odour-free and can be used medicinally. It exceeds all B.P. requirements, and has withstood the most stringent tests known to the pharmacist.

JOHN WATNEY & Co. Ltd.
THE DISTILLERY, YORK ROAD, WANDSWORTH, S.W.18.
ESTABLISHED NEARLY A CENTURY.

**PURE RUSSIAN
LIQUID PARAFFIN MEDICINAL B.P.**
ALL GRAVITIES. HIGHEST VISCOSITY.

**PURE RUSSIAN
"JASMINE" BRAND WHITE OILS**
CHEMICALLY PURE. WATER WHITE. ODOURLESS.
FOR MANUFACTURING PURPOSES.

Competitive Prices. Best Quality. Immediate Delivery.

THE PURE RUSSIAN LIQUID PARAFFIN CO., LTD.
80 BISHOPSGATE, LONDON, E.C.2

Telephone : LONDON WALL 7132-7133.

Telegrams : "INVATORE, STOCK."



THE PERFECT SPIRIT FOR PERFUMERY

S.V.R.—Rectified Spirit
68/69 Overproof, 95/96%

Also

ABSOLUTE ALCOHOL
74 Overproof

and

INDUSTRIAL SPIRIT
66/67 Overproof

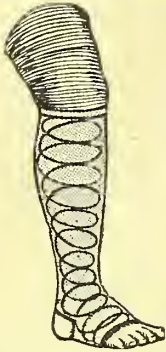
Supplied Duty Paid and Duty Free subject
to Customs and Excise authorisation



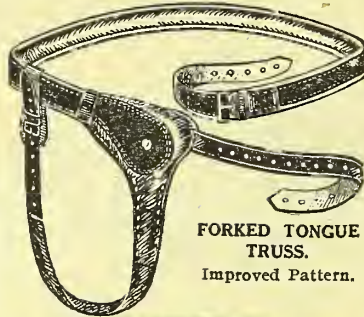
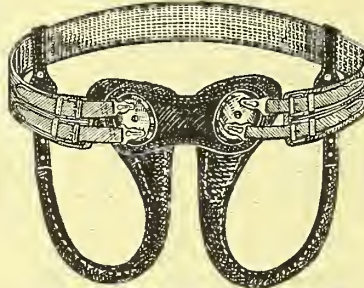
AGENTS FOR
THE
INDUSTRIAL SPIRIT SUPPLY CO., LTD.

**SURGICAL
HOSIERY**

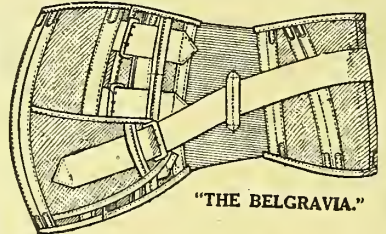
Seamed and Seamless.

**CRÉPE
VELPEAU
BANDAGES**

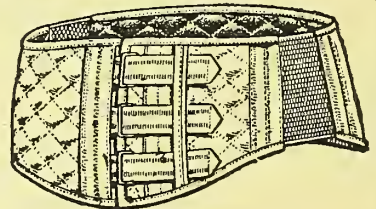
WE ARE SOLE AGENTS.

TRUSSES Spring and Elastic.ANY
PATTERN.FORKED TONGUE
TRUSS.
Improved Pattern.

DOUBLE SCROTAL ELASTIC TRUSS.

ALL
QUALITIES.**ABDOMINAL BELTS
ABDOMINAL SUPPORTS
WOVEN ELASTIC CORSETS
SUSPENSORY BANDAGES**

"THE BELGRAVIA."



"THE LUMBAGO."

MANUFACTURED ON THE PREMISES AT CROWN ROAD WORKS.

THE R. H. HEWARD CO., SURGICAL APPLIANCE
:: MANUFACTURERS :: **TWICKENHAM.****Geisha**
Crepe
Toilet
Paper
Perfectly
Perforated
Standard
Size
Roll
6d.Used by over
One Million
Persons**SOFTEST
STRONGEST
SOLUBLE**

Sample Roll, prices and terms, from—

H. C. STERN

12 Farringdon Avenue, London, E.C.4

Telephone:
Central 3140.Telegrams:
"Glastos, Lud, London."

Obtainable from all Wholesale Factors.

RelianceSEAMLESS
MOULDED.**BATHING CAPS**"LUSTRE" TRANSPARENT
AND
JAZZ MARBLED FINISHES.

BEAUTIFUL MODELS.

Retailing
from . **2/3** to **4/6** each.

Write for List and Samples.

MADE in our LONDON FACTORY.

RELIANCE RUBBER COMPANY
LIMITED212-213 Upper Thames Street London, E.C. 4.
Telephone City 2321 (Two Lines) Telegrams: Downings Ltd. London.

*"Brilliant
idea"*

F.R.C.S

Doctors delighted!

The success of Mead's Rubber Adhesive Plaster as evidenced by steadily increasing sales—sure sign of the full endorsement of its reliability by discriminating Medical Men, Hospitals and Governments the world over—has led us to put it up in an entirely new and additional form: the "Multiwidth."

The "Multiwidth" is much appreciated by busy practitioners and nurses, since it provides in a handy form for the surgery or visiting bag 4 widths of strapping on one spool.

It also sells readily for first-aid use in factories, etc.

Seabury's "Multiwidth" Oxide of Zinc Plaster is supplied at the same price and on the same terms.

MEADS *"Multiwidth"* Rubber Adhesive Plaster AND SEABURYS *"Multiwidth"* Oxide of Zinc Plaster

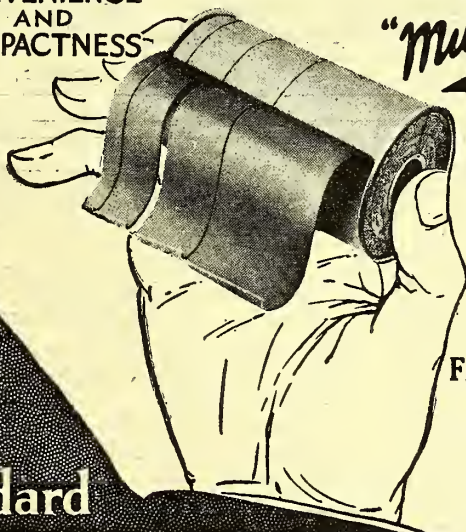
Each spool contains 5 yards of each of the following widths:—
 $\frac{1}{4}$ -in., $\frac{1}{2}$ -in., $\frac{3}{4}$ -in. and $1\frac{1}{2}$ -in. (see illustration).

42/6 per dozen spools. Subject to the usual
Seabury discounts.

THE ACME
OF
CONVENIENCE
AND
COMPACTNESS

THE
"Multiwidth"

PACKING
4 WIDTHS
ON
ONE SPOOL



The World's Standard

Sole Consignees:
FASSETT & JOHNSON
LTD.

86 Clerkenwell Road
LONDON

and at
Dublin, Sydney, Cape Town

Best sellers

The public is asking for **ZEAL** CLINICAL THERMOMETERS because they are:-
GUARANTEED TO STAY ACCURATE
CONSISTENTLY ADVERTISED

Made by
ZEAL

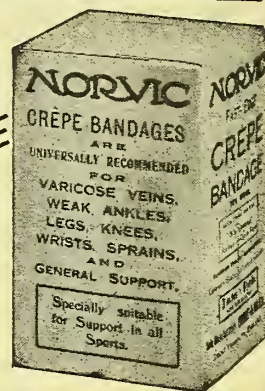
—the name the public knows.

G. H. ZEAL, LTD.,
75 & 77, St. John St., London, E.C.1.



To show them is to sell them

It will pay you to make a special display of



NORVIC

BLUE CARTON CRÈPE BANDAGE

	2"	2½"	3"	3½"	4"
Cost :	12/-	15/3	18/3	21/3	24/3
Sell for :	1/6	1/11	2/3	2/8	3/-

Discount for quantities :

3 dozen ... 2½% 6 dozen ... 5%

Protected Prices—Assured Profits
Stocked by all the leading wholesalers
Attractive showcards supplied on request

Sole Manufacturers: Grout & Co., Ltd., 35 Wood St., London, E.C.1

Surgical Rubber Goods

VENUS, OWL, GODIVA
& BALLOON BRANDS.

NOTICE.—Several instances of the sale of VENUS BRAND goods other than their make having been brought to the notice of Joseph Harris & Co., their Solicitors are instructed to take proceedings against anyone (Makers or Vendors) fraudulently using the name or design of VENUS or any imitation thereof in connection with Seamless Moulded Goods.

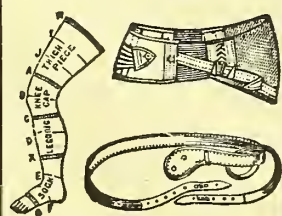
SEAMLESS MOULDED SURGICAL GOODS, PESSARIES, HOT WATER BOTTLES, URINALS FOR NIGHT OR DAY USE. Wholesale & Export Only.
JOSEPH HARRIS & CO., Rubber Works, Broadheath, Altrincham.

J. H. HAYWOOD, Ltd. CASTLE NOTTINGHAM
GATE

SURGICAL APPLIANCE MANUFACTURERS.

SPECIALITIES FOR SUMMER:

Elastic Hosiery, with or without seams, suitable for Summer wear.
Trusses Spring and elastic, Suspensory Bandages, Abdominal Belts, made from porous materials.
Elastic and Leather Supports, for Cricket, Tennis, Golf and Boating.
Goods for Toilet and Seaside trade.
India Rubber Appliances, Nursing Requisites, Druggists' Sundries, Etc.



CURASOL

The Original Boric Socks

FIXED SELLING PRICE 4½d. pair.

COST 3/- doz.

SIX DOZ. LOTS 34/6 per gross.

Distributing Agents:—

ENGLAND & WALES:—

SANGERS, 42a Hampstead Rd.,
London, N.W.1

SCOTLAND:—

MUNRO, M'LAREN & SUTHERLAND
17 Cadogan St., Glasgow.*For Sample Pair (state size) send P.C. to***The Curasol Sock Co.**

19-20 Garlick Hill, London, E.C.4

PERKEN, SON & CO., LTD.

Established 1852.

Contractors to H.M.
Government.THE
"MATER"
CLINICAL
REGD.ALL
TYPES
OF
CLINICAL
AND OTHER
THERMOMETERS*Price List on Application.***94 HATTON GARDEN,**
LONDON, E.C.1

Telephone: 0724 Holborn.

Telegrams: "Optimus, Smith, London."



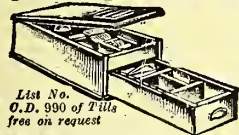
THE NEW TOINOCO

PAPER HANDKERCHIEF

GUARANTEED ENGLISH.

WILL BE EXHIBITED AT OUR STAND No. 94
at the CHEMISTS' EXHIBITION
Holland Park Avenue, London, W.
MAY 7th to 11th
LIBERAL DISCOUNT.

SENT ON 14 DAYS APPROVAL

List No.
O.D. 990 of Tills
free on requestupon receipt of cash or two wholesale trade
references. "LITTLE BRILLIANT" TILL
improved 16 x 8½ x 6 ins.
mahogany, highly polished, lock
to lid and drawer, warning bell,
secret catch and check action.**32/-**

Coils 2½ ins. wide 4½ doz.

DUDLEY & COMPANY, LTD.

558-576, Holloway Road, London, N.7.

Specialists in the Manu-
facture of—**HORSEHAIR FLESH
GLOVES,**
BATH GLOVES &c.*Wholesale and Export.***LAWRENCE & CO.**

Islington Place, Cloudeley Road, London, N.1.

"Wimaco" Specialities, British and Best.

CHECK PESSARIES—Solid, Air and Spring Rims

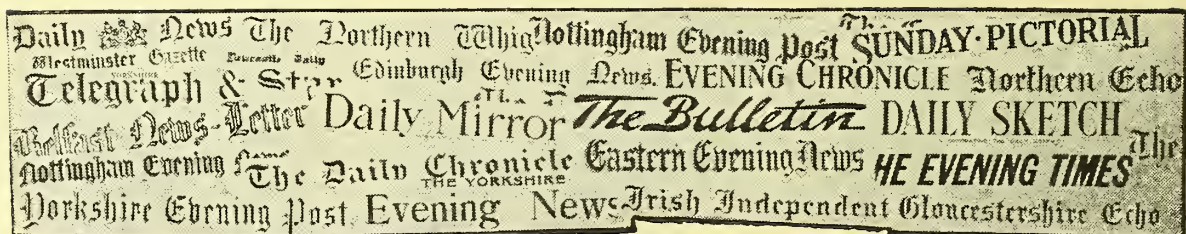
INSIST ON WIMACO MONARCH SEAL BRAND (Regd.). THERE IS NO SUBSTITUTE FOR WIMACO.

WINCHESTER MANUFACTURING CO., LTD., ISLEWORTH, MIDDLESEX

WM. WARNE & CO. LTD.

29 GRESHAM STREET, E.C. 2.

*India Rubber Manufacturers,*Surgical, Chemical, Domestic Articles, Syringes,
Water Beds, etc.



5,000 a day since October—

In seven months, Kotex—
the scientific sanitary pad
—has been introduced to
over 1,000,000 women

OVER 5,000 women a day since October have taken the trouble to write for a Free Sample of Kotex or to pick one up from the retailer's counter.

Over 1,000,000 women now know that the claims made for Kotex in our nation-wide advertising are fully justified.

Owing to the co-operation of retailers and to the huge amount of Kotex advertising, Kotex sales are increasing by thousands every week.

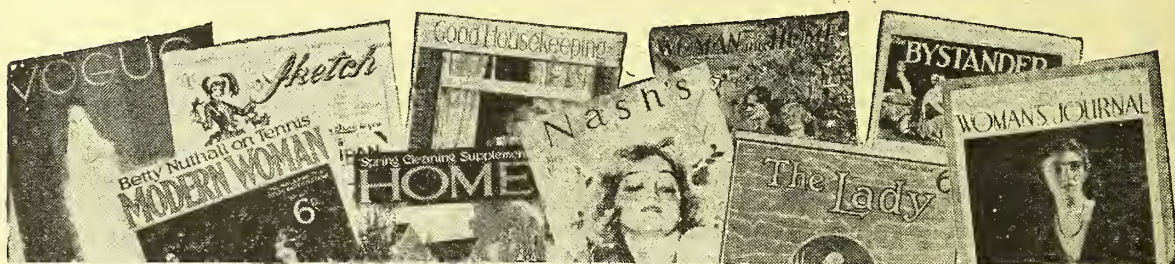
This stimulus justifies an expansion in Kotex advertising. The big national newspaper campaign continues, and more

and more local papers are being added.

Four-colour pages are now appearing in illustrated magazines. The list of publications selected for these colour advertisements is also being gradually extended.

This expansion in Kotex advertising will result in increased sales for you — quicker turnover — bigger profits.

Remember! Kotex is the only heavily advertised sanitary pad in the world.



Northern Daily Telegraph HULL EVENING NEWS The Evening News Staffordshire Sentinel EVEN
 Evening Despatch Sunderland Daily Echo Southern Daily Echo South Wales Echo
 Express & Echo Lincolnshire Echo. Liverpool Echo. Bournemouth Daily
 Yorkshire Evening Herald Derby Daily Express SUNDAY GRAPHIC North & Mail Manchester &
 Bradford Telegraph & Argus Daily Dispatch Daily Courier Leicester Mercury & Lancash
 Evening Chronicle

**Kotex sells fastest when you let
women know you sell it**

Display Kotex in your windows—so that women passing by may know that you stock Kotex.

This will bring women into your store.

See to it that when they get there they are relieved of all embarrassment and hesitancy. Some women dislike asking for an article of so intimate a nature as Kotex. *Don't make conversation necessary.*

Make use of the Kotex "Wrapped Package" Container—as illustrated, supplied free—an ingenious counter device that overcomes all doubt and hesitancy.

It is designed to hold Kotex packages

ready-wrapped in plain paper. Place this container on your counter, with the price ticket alongside. Women simply help themselves and pay the assistant—that's all. No embarrassing questions to ask or answer.

This idea is one of the greatest sales-makers ever devised.

**Winning new Kotex users by the
thousand**

Kotex sales are increasing rapidly week by week. The bulk of the business is going to those who link up with the huge Kotex national advertising campaign—by making full use of the "Wrapped Package" idea and other Kotex sales-helps.

These sales-helps include attractive display material for windows and counter—stringer displays, window and counter cards, the Kotex Nurse (full figure and half-figure)—and the Kotex "Dear Madam" letter. All these are supplied free on request.

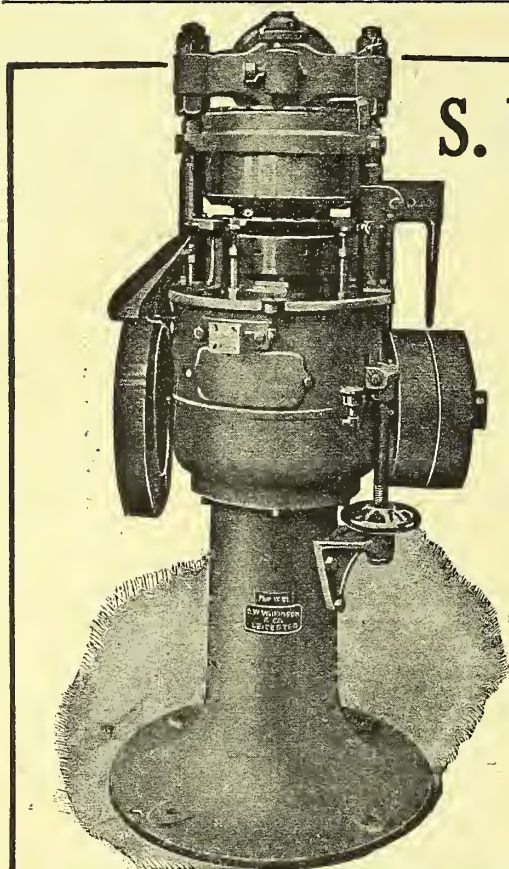
Write for full particulars to
KOTEX LTD., 23, Eagle St., London, W.C.1

"Ask for them by name"

KOTEX

PROTECTS—DEODORIZES





S. W. WILKINSON & CO.

WESTERN ROAD, LEICESTER.

Rotary Tablet Machines

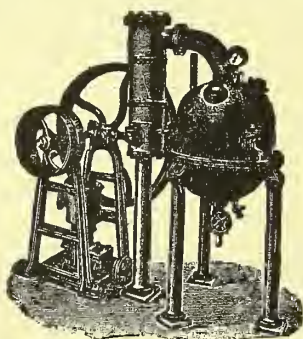
These Machines are now made in 4 sizes :

- 12-Punch Ordinary for Tablets from $\frac{3}{8}$ " to $\frac{7}{8}$ " diameter.
Output 400 per min.
- 20-Punch Ordinary for Tablets from $\frac{1}{4}$ " to $\frac{1}{2}$ " diameter.
Output 700 per min.
- 12-Punch Heavy for thick Tablets and Blocks
1" diameter. Output 250 per min.
- 18-Punch Heavy for thick Tablets and Blocks
1" diameter. Output 400 per min.

LISTS ON APPLICATION.

SINGLE punch machines made in
5 sizes for tablets from $\frac{1}{8}$ " to $1\frac{1}{2}$ "
diameter, also lozenges.

MACHINES FOR BATH SALT TABLETS



**STILLS, VACUUM STILLS, VACUUM PANS.
EVAPORATING PANS.**

**AUTOClaves AND DIGESTORS.
SPECIAL APPARATUS AND PLANT
FOR MANUFACTURING CHEMISTS.**

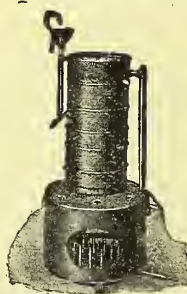
SOLE MAKERS of BENNETT'S PATENT 'IDEAL'
ANNULAR FILM CONDENSERS.
SHEARS' PATENT MULSER.

BENNETT, SONS & SHEARS, LTD.

ENGINEERS & COPPERSMITHS,

43 & 44 Shoe Lane, LONDON, E.C. 4.

DISTILLED WATER



Brown's Stills are perfectly
automatic. Can be run night
and day without attention.
Patented in U.K. and Con-
tinental Countries.

Extraordinarily efficient and
economical. Made for gas,
steam, oil or coke fire heating.

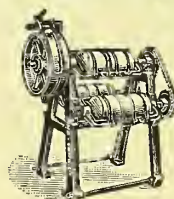
Full particulars and prices free on application

BROWN & SON,

Alembic Works,

Wedmore Street, Holloway, N.19

"ATLAS" BALL GRINDING MILLS



Porcelain or Siliceous Lined. Batteries
of Jars for small quantities.
Flint Pebbles, Porcelain, Brass,
Steel or Hardwood Balls, also
spare Porcelain Jars and Liners
supplied.

BRITISH MADE THROUGHOUT

Specialists in Breaking, Grinding,
Sifting, Drying, and Mixing Machines.

HIND & LUND, LTD.
Atlas Works, PRESTON.

Telegrams: "ATLAS, PRESTON."

Telephone: No. 125

DISTILLED WATER

NOTABLE FEATURES OF

STOKES WATER STILLS

- 1 The Stokes Still utilises the heat generated in the Still for heating the incoming water to boiling point. Thus a small quantity of steam operates the Still when once started.
- 2 By pre-heating the feed-water before it enters the distilling basin, ammonia and other gases are liberated and are not redissolved by the distilled water.
- 3 The condenser tubes extend high above the water level so that there is no danger of impure water being carried over.
- 4 The Still is particularly easy to clean. The copper coil can also be disconnected for the removal of any scale.
- 5 The Still is attached by a bracket to the wall, and therefore occupies no floor space.
- 6 Every Stokes Still is **guaranteed** to produce chemically pure water and in the quantities stated for each model.
- 7 The cost of distilled water produced by the steam-heated Stokes Stills is practically negligible. The gas-heated Stokes Stills are also exceedingly economical.

DESCRIPTION AND OUTPUT OF STOKES STILLS :

o Gas	- 3/4 gall. per hour.	2 Steam	- 10 galls. per hour.
ooo "	- 2 galls. per hour.	3 "	- 25 " "
ooo Steam	- 2 " "	4 "	- 60 " "
I "	- 5 " "	5 "	- 100 " "

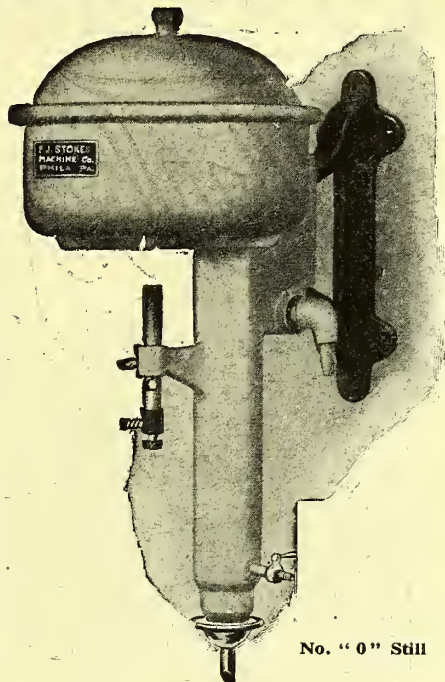
The No. o Still is also supplied with a Primus stove should gas not be available.

On receipt of a postcard we will gladly send full details and particulars.

THOMPSON & CAPPER Ltd.

Sole Agents for F. J. STOKES MACHINE CO.

Manesty Buildings, 5 COLLEGE LANE, LIVERPOOL.



No. "0" Still

New Designs in Pressure Filters.
Filling Machines for all liquids and sizes of bottles.



RAPID FILTERS

Latest designs for Rapid Filtering of Essences, Tinctures, Syrups, Cordials, Wines, and Spirits.

All Sizes Stocked.

Absolute brilliancy and great speed.

ASBESTOS FOR FILTERING
2/- per lb.

JNO. P. JACKSON & CO., LTD.
POWELL SQUARE, LIVERPOOL

Small TABLET MACHINE

*Capacity 60 to 80
Tablets per minute*

Working on "rack and pinion" principle.

Absolute simplicity and smooth working.

Adjustable screw for pressure.

Any size or weight of

Tablet up to 3/4 in. diameter.

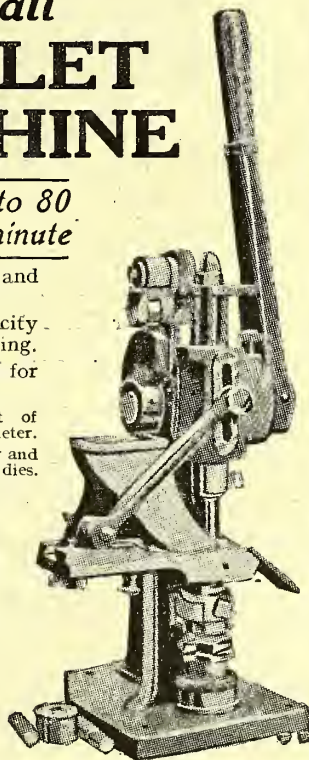
Complete with spanner and one set of punches and dies.

£7 : 15 : 0

J. W. PINDAR & CO.

Druggist's Engineers
Pill Machine
Manufacturers,

Endwell Road,
Brockley,
London, S.E.4.



Collapsible Tubes



Nothing short of
the Best suffices in

BETTS' SERVICE,

BETTS' QUALITY,

BETTS' FINISH,

BETTS' PACKING,

or BETTS' PRICES.

BETTS, IN FACT, SPELLS BEST.

WRITE TO-DAY TO—

Betts & Co. Ltd.
1. Wharf Rd., City Rd.
London N.1.

Established 1857.

GARDINER'S OVERALLS

FOR

Chemists and Druggists

Jackets and Coats of very superior quality, made from the most reliable materials, smartly cut and thoroughly well finished in every detail.

WHITE DRILL JACKETS	...	...	6/11, 8/11, 10/8
KHAKI DRILL COATS	...	...	6/11, 8/11, 10/6, 12/6, 14/6
WHITE DRILL COATS	...	...	9/6, 12/6, 13/6, 15/6
BLACK DRILL COATS	...	...	15/6
UNBLEACHED COATS	...	...	8/6

STOCK SIZES: 34 to 44 chest measure over waistcoat. Special pockets and little adjustments can be made without extra charge. POSTAGE on single coat 9d., but 20/- orders upwards carriage paid. SPECIAL PRICES FOR LARGE QUANTITIES.

GARDINER

& CO. (The Scotch House), LTD.

13, 5 COMMERCIAL RD., LONDON, E.1.

Telephone: Bishopsgate 6751

Established 1839

BRANCHES:

Deptford, Edgware Road, Woolwich,
Clapham Junction and Knightsbridge.

CELLOPHANE

The ideal **transparent** wrapping **absolutely** harmless, air and grease proof, as used by all the leading Perfumers, Soap Manufacturers, etc., etc., for wrapping Soap, Drugs, Tablets, Bath Crystals, Perfumery, Surgical Dressings, Sponges, Puffs, Soothers, Tooth Brushes and all Articles of Toilet.

Cellophane can be had in sheets, all sizes and colours; also in the shape of **Bags, Discs, Envelopes**, printed or not, allowing the contents to be seen by transparency.

Cellophane wrapped goods **look better—keep better—sell better.**

Cellophane **protects, beautifies** and adds the quality touch.

Prices, Samples and Particulars from

The CELLOPHANE COMPANY LTD.
7, 8 and 9 Bird Street, LONDON, W.1

Also 305-7 PRODUCE EXCHANGE, MANCHESTER.
35 MILLER STREET, GLASGOW.

PHOSFERINE

New Window Display Conditions

Monthly Account.

Carriage Paid.

For a small Central Window Display of not less than 14 days and an order for £5 worth of Phosferine we allow a bonus of 10/6, on a £2 10 0 order 5/3.

This shows a net profit on the transaction to the Chemist of 35%, besides attracting the passer-by to the window and considerably augmenting sales generally.

Should a £5 or £2 10 0 parcel not be required, any smaller quantity will be forwarded carriage paid, and can, if desired, be regarded as part of the £5 or £2 10 0 order. On completion of the order and a notification that the display is in progress the bonus will be allowed.

The above conditions apply only to the United Kingdom.

EXAMPLE.

		COST	SELLS FOR
3½ dozen 1/3 size at 12/- net	....	£2 2 0	£2 12 6
2 " 3/- " at 30/- "	....	3 0 0	3 12 0
		5 2 0	
Less 10/6 for Window Show	....	10 6	
		£4 11 6	£6 4 6

Showing a Net Profit of £1 13 0 on an outlay of £4 11 6.

Window Display Material Free and Carriage Paid.

WHOLESALE PRICES OF PHOSFERINE.

Carriage Paid.

Monthly Account.

1/3 size	....	12/- per doz. net.
3/- "	....	30/- " "
5/- "	....	48/6 " "
12/- "	....	114/- " "

PROTECTED PRICES.

Phosferine and all of our Proprietary Medicines are supplied on the condition that they are not retailed in the United Kingdom under the following prices—viz., 1/3, 3/-, 5/-, and 12/-.

ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.4.

Telephone No.: CITY 8733. Telegraphic Address: "PHOSFERINE, CENT, LONDON."

IMPORTANT.—Every care is used in corking and packing Phosferine, but occasionally a leaky bottle will pass undetected. Any leaky or faulty bottle should be returned to Ashton & Parsons, Ltd., Ludgate Hill, London, E.C.4, when a fresh supply will be sent and postage refunded.

YOUR PATENTS HOUSE.

Do you ever have to tell a would-be purchaser that you are out of stock of a Patent Medicine? Probably, but if it happens often there is something wrong, either with your stocktaking or you do not take advantage of the Service offered by

MAY, ROBERTS'

Our trade is built upon and maintained by celerity in working, with freedom from omissions, and the organisation is at your disposal in return for a post-card.

MAY, ROBERTS & CO., LTD.

7-13 Clerkenwell Road - - - E.C.1.

And at Liverpool, Plymouth and Dublin.

THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C. 4

APRIL 28, 1928.

This Supplement is inserted in every copy of The Chemist & Druggist.

THE CHEMIST AND DRUGGIST SUPPLEMENT

REVISED ADVERTISEMENT TARIFF.

Businesses Wanted and for Disposal, Premises to Let, Goods for Sale, and Agencies—6/- for 50 words; every additional 10 words or less, 6d.

SITUATIONS OPEN—6/- for 40 words; every additional 10 words or less, 6d.

SITUATIONS WANTED—2/- for 18 words; every additional 10 words or less, 6d.

Legal Notices, Tenders, Auctions, and all specially-spaced announcements, 1/3 per nonpareil line (12 lines = 1 inch single column).

Miscellaneous (Wholesalers') Section for odd and second-hand lots—10/- for 60 words; 1/- for every additional 10 words or less.

EXCHANGE COLUMN (for Retailers, etc.)—Twopence per word, minimum 2/-.

BOX NUMBER.

In each case replies may be addressed to a registered number or nom-de-plume, c/o this Office, at a charge of 1/- extra for each advertisement.

PAYMENT.

All Advertisements are prepaid, so that remittance must accompany instructions in each case. If it be necessary to telephone or telegraph an urgent announcement this may be done, provided the money is telegraphed at the same time.

THE CHEMIST AND DRUGGIST, 42 Cannon Street, LONDON, E.C.4.

Telephone: Central 3617 (3 lines).

Telegrams: "Chemicus, Cannon, London" (2 words).

CLOSING FOR PRESS.

MUST REACH US
NOT LATER THAN

FIRST POST THURSDAY MORNING.

ALL ADVERTISEMENTS INTENDED FOR
INSERTION IN THIS SUPPLEMENT

CHEMISTS' TRANSFERS.

Messrs. Orridge & Co., 56 Ludgate Hill, E.C.

Telephone No.: CITY 2283.

May be consulted at their Offices on matters of Sale, Purchase and Valuation.

1.—LONDON, S.E. (Suburban).—Good-class Retail Business in residential district, with Post Office attached; returns average £1,400; gross profit 38 per cent.; single-fronted shop, well stocked; comfortable house; 21 years' lease; rent £46; price £1,050.

2.—LONDON, S.E.—General Retail and Dispensing Business, with N.H.I. and Kodak Agency; returns, present rate, £20 weekly, under management; scope for increase under personal supervision; double-fronted lock-up shop, well fitted and stocked; rent 30s. weekly; held on lease; price about £400.

3.—LONDON, E.C.—Cash Retail Business, with N.H.I. Dispensing; returns from 1st January to 31st March, £387; established many years; stock estimated to be worth £250; rent, £65; sublet, 25s. weekly; lease has 18 years to run; price, £600 or near offer; scope for considerable increase.

4.—LONDON, S.W.—Family Retail and Dispensing Business, with N.H.I.; returns approach £1,600, at good prices; rent, £80; held on lease; good house with garden and side entrance; terms, valuation of stock and fixtures, and a sum for goodwill to be agreed, or lump sum offer entertained; vendor is desirous of selling quickly.

5.—LONDON, N. (Distant Suburb).—General Retail and Dispensing Business with N.H.I.; established many years; returns between £750 and £800 per annum at good prices; single-fronted shop; stock and fixtures estimated at £650; good house with bathroom and back entrance; rent £35; held on lease; price £675.

6.—S.E. COAST (Near).—Light Retail Business with Kodak Agency; returns between £1,150 and £1,200; scope for considerable extension; net profit £365; estimated value of stock and fixtures £625; modern house; freehold for disposal, or would grant lease; price £950.

7.—LONDON, S.W.—General Retail Business, with Kodak Agency; returns £1,100 per annum, plus N.H.I. Dispensing, about 80 yearly; net profit £300; single-fronted shop; small

house, with bathroom and garden; rent £43 per annum; price £800, or near offer.

8.—DEVON.—Business and Branch for disposal; returns last year about £2,250, with net profit about £450; combined rentals £105; estimated value of stock and fixtures £1,200; price for the two businesses £1,400.

9.—DERBYSHIRE.—General Retail Business, with Kodak Agency; established 50 years; returns between £50 and £55 weekly; double-fronted shop; excellent house, with garage and garden; rent £50; held on lease; price £1,850.

10.—BERKS.—Mixed Country Retail Business, with Kodak Agency; established over 20 years; returns, present rate, £15 weekly; has been very much neglected; single-fronted shop, with large house, garden and garage; held on lease; price £500, or near offer.

11.—S.E. COAST (Few Miles From).—Old-established Country Retail and Dispensing Business, with Agricultural; returns last year £4,142; gross profit £1,326; large, lofty shop, very well fitted and stocked; rent £120; 21 years' lease; price £3,500.

12.—NORTH OF ENGLAND.—Working-class Retail Business; weekly turnover averages £50, plus N.H.I. Dispensing, which was £400 in 1927; small house; new lease will be granted, or the property may be purchased; terms, goodwill £300, or near offer, plus the value of stock and fixtures, the whole between £500 and £600.

13.—SOUTH COAST.—Neglected Business, in main road of well-known town; returns £1,400, with scope to materially increase; handsomely fitted shop; two flats sublet to show profit rental; 14 years' lease; further details on application.

14.—LANCASHIRE (Large Town).—Tenancy of property near centre of large town offered; has been in the occupation of Chemist since 1835, whose turnover was about £2,000 per annum; no goodwill asked; lease will be granted on ground floor and basement at £130 per annum.

Messrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone Profit, the Value of Business, &c., can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes confusion and loss.

Valuations for Stocktaking

Messrs. O. & Co. are prepared to undertake these essential duties and make Special Terms for such service.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.4

The Association of Manfg. Chemists, Ltd.

Business Agency, Transfer & Valuation Department

Head Offices: Kimberley House, Holborn Viaduct, London, E.C.1 (and at 2 Bixteth Street, Liverpool).

PARKIN S. BOOTH, Accountant & Valuer. Phone: City 1261-2-3
BUSINESSES FOR DISPOSAL

1.—SUSSEX.—For immediate disposal, old-established Business, in prominent position; double-fronted shop; held on lease, with 10 years to run; good living accommodation attached; price asked, lease and goodwill, £500; fixtures and fittings, £200; stock approx. £400. Further particulars on application. (154)

2.—SHEFFIELD.—Small Business for immediate disposal. Premises consist of two shops communicating; good windows; living room, scullery, two bedrooms and attic, held on monthly tenancy at £45 p.a.; returns approximately £15 p.w.; room for increase; price £350. (145)

3.—BRIGHTON.—Retail Dispensing Business; premises consist of single-fronted shop; 15 ft. frontage, with dispensary and large basement; held on lease 17 years at £52 p.a. inclusive; returns average £20 p.w.; can be increased. Full particulars on application. (147)

4.—LONDON, S.W.—Two small Businesses for immediate disposal; one in good position on main 'bus and tram. route; premises held on lease, 16½ years to run; rental £2 7s. 9d. p.w. Takings approximately £765; can be increased under personal supervision. Further Business situated in thickly populated working-class district, with good possibilities for owner manager; premises held on lease, 16 years to run at rental of £60 p.a.; dwelling accommodation sub-let £65 p.a.; turnover approximately £1,090. Full particulars on application. (151)

5.—LONDON, E.—Drug and Photographic Business, for immediate disposal; on lease, 13 years to run, at rental of £120 p.a.; double-fronted shop, with good living accommodation attached; side and back entrance. Further particulars on application. (156)

6.—LANCS.—Old-established Chemist's Business, with Post Office attached; held on quarterly tenancy; lease might be obtained, or property purchased for £1,200; returns, £15 per week, all cash; rent, £78 p.a.; living accommodation; price asked, £750. Full particulars on application. (142)

7.—NORTH-WEST DISTRICT.—Family Retail Dispensing Business; double-fronted corner shop, with room at rear; flat with side entrance, consisting of three rooms; two garages; held on lease 12 years at £140 p.a.; flat let off at £103 p.a.; returns average £20 p.w.; can be increased. Full particulars on application. (146)

8.—BLACKBURN.—Drug Stores in main thoroughfare, on lease, 7 years to run, at £60 per year; returns, £18; large lock-up shop, with excellent window; stock about £250. Offers invited. (140)

9.—DORSET.—Old-established Family Retail Dispensing Business; returns £1,800 p.a.; all cash; owner retiring; large shop, fitted mahogany; well stocked; good house attached (at present let at £110 p.a., lease expires October next); property for sale, with business open to offer. Further particulars on application. (153)

10.—CAMBRIDGESHIRE.—Old-established high-class Dispensing and Retail Business; held on advantageous lease; well fitted and large stock carried; returns approximately £3,000, at good profit; excellent living accommodation; every investigation invited. Full particulars on application.

11.—LEEDS.—Family Retail and Dispensing Business in thickly-populated working-class district; corner position; good opening for Chemist-Optician; dwelling accommodation attached; returns over £1,000; rent £52 per annum; price for quick sale £350. Full particulars on application. (155)

12.—BERKS.—Established Pharmacy; lease 6 years to run, with promise of renewal 14 or 21 years; rent £46 p.a.; large 7-roomed house attached; garden and garage. Further particulars on application. (157)

13.—LONDON, S.W.—For immediate disposal, Retail and Dispensing Chemist's Business, held on lease, 33 years to run at ground rent £4; conveniently fitted and stocked; turnover approximately £1,050 per annum; room for scope and increase under personal supervision. Full particulars on application.

14.—CAMBRIDGE (Near).—Old-established Pharmacy, on lease 20 years at £50 p.a.; returns average £13 per week; double-fronted shop, with good dwelling accommodation. Further particulars on application. (131)

15.—CHESHIRE.—Retail Family Dispensing Business; single-fronted shop; good living accommodation; held on lease, five years, at £130 per annum; established 20 years; returns average £32 per week; full particulars on application.

16.—LINCOLNSHIRE.—General Retail Dispensing Business in market town, with excellent living accommodation; established over 60 years; nearest opposition 5 miles away; takings over last 3 years average £1,640; net profit, 25 per cent; stock about £350; rates very low; wine and spirit trade; Kodak Agency. Further particulars on application. (141)

17.—LONDON, S.W.—Very old-established Family Retail and Dispensing Business, occupying prominent corner position in busy thoroughfare; lock-up shop with storage accommodation; held on advantageous lease at £100 per annum; returns approximately £2,300 per annum; can be increased under personal management; full particulars on application. (148)

Stocktaking and Valuation of Businesses undertaken at moderate inclusive fee. Chemists are invited to consult us in respect of their requirements in connection with sale or purchase of businesses. Chemists in the North are requested to communicate with our Liverpool Offices.

BERDOE & FISH

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1.—HERTS.—Good-class Light Family Retail in growing residential district; unopposed; returns £1,800; excellent profits; modern pharmacy and house; good stock; price £1,500.

2.—SOUTH COAST.—Good-class Retail, with Kodak Agency, showing steady increase; returns £1,900; commanding main road position; long lease; fully stocked; price £1,100.

3.—TUNBRIDGE WELLS (Near).—Unopposed good Country Business; pleasantly situated; returns £1,450; books audited; nice house; low rent; on lease; fully stocked; price £1,150.

4.—LIVERPOOL.—Good-class Light Retail, returning £872; plenty of scope; splendid house; lease granted at low rent; fully stocked; price £595.

5.—CAMBRIDGE (Near).—Old-established Mixed Country Retail; easily worked; returns over £2,000; quite unopposed; good house, large garden, garage, etc.; double-fronted shop; fully stocked; price £1,200.

6.—MIDLANDS.—Sound Country Business; pleasantly situated in small market town; returns £885; net profit £350; low rent; stock and fixtures worth price asked, £500.

7.—WEST OF ENGLAND (Market Town).—Sound Light Retail Business; under indifferent management; returns £1,300, stands to do £2,000; low expenses; attractive Pharmacy and house; good stock; offers invited.

8.—NORTHUMBERLAND.—Light country Retail Business, in large village; returns over £1,460; net profit £450; large Pharmacy; well fitted, fully stocked; price £1,100 or offer.

9.—LONDON, S.W.—Good middle-class Cash Business, in main road position; returns average £45 weekly; under manager; lock-up shop; well fitted and stocked; price £1,450.

10.—WEST LONDON.—Cash suburban Drug Stores; same hands many years, retiring; returns £727; splendid scope for qualified; low rent; on lease; house attached; price £425.

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We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an Advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

BUSINESSES FOR DISPOSAL.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

BOURNEMOUTH DISTRICT.—Progressive good-class Family and Dispensing Business for Sale; moderate size double-fronted shop, well fitted in heavy oak fittings and well stocked; Kodak Agency; no opposition; owner purchasing much larger concern; every investigation invited; freehold must be purchased. 79/7, Office of this Paper.

EAST MIDLANDS.—Good-class residential; profitable; easily worked; good house if desired; price by arrangement; books kept well; satisfactory lease; genuine reasons for sale; going 5 years; increasing; no opposition. 80/21, Office of this Paper.

LANCS.—Well-established Retail and Dispensing Chemist's Business; lock-up premises held on lease; conveniently fitted and stocked; turnover approximately £2,000 per annum; price £1,600. Full particulars on application. 124/342, Office of this Paper.

LEICESTER (outskirts).—Well-stocked Pharmacy; double-fronted shop, large house, garage; part property let on lease at good rental, which on expiry will allow shop to be enlarged and shop frontage increased; Medicated Wine Licence, Kodak and Rexall, audited accounts; suit large company; price, including freehold property, £2,500. 84/5, Office of this Paper.

LANCS.—Old-established Pharmacy, busy main road, Manchester, commanding corner position, good shopping area; double-fronted, modern fitted mahogany and plate glass, 2 large windows; Kodak Agency; splendid opening B.O.A. man; good N.H.I.; over 50 years established; turnover £2,500; several widely known specialities, two registered; well stocked; accounts audited; full particulars to genuine buyers; £3,500 for business and premises. 82/37, Office of this Paper.

LANCS. TOWN.—Old-established Drug Store, with Photo, house available, on main street; Kodak Agency; turnover averages £700 to £800 per annum; rent and rates inclusive about 17s. per week; good scope for N.H.I.; sound reason for disposal; price asked £400. 83/20, Office of this Paper.

LINCOLNSHIRE.—For sale, cheap; death vacancy; established 60 years; sound business; good returns; considerable scope for expansion; healthy locality; general Dispensing, Agricultural, Kodak Agency; convenient, double-fronted, lock-up shop, commodious premises (freehold); mortgage can be arranged; fixtures and stock at valuation; good house available near business. Full particulars on application. 84/20, Office of this Paper.

LIVERPOOL.—Old-established and very profitable Business for sale at early date; returns £2,200 for 1927, including N.H.I.; double-fronted; Kodak Agency; low rental. 82/25, Office of this Paper.

LIVERPOOL.—Middle-class Business for disposal; main road; splendid house attached; fitted electric throughout; Kodak Agency; average turnover about £17 weekly; well fitted and stocked; price £550 for quick sale. 85/25, Office of this Paper.

LONDON, E.—Newly-established Business, well fitted and stocked, taking at the rate of £900 per annum, in addition to 400 N.H.I. scripts monthly; rent and rates about 45s. weekly. 81/25, Office of this Paper.

LONDON SUBURB (Middlesex).—Returns £43 week; good-class Family and Dispensing Business, with Kodak Agency; good opening for Optics and Toilet Goods; growing district; returns increase every year; good lease; accommodation and nice garden; double-fronted shop, smartly fitted; owner requires country business; price £1,700. 80/33, Office of this Paper.

LONDON SUBURB.—Drug Store in busy main road shopping centre; trade over £40 per week, steadily increasing; unlimited scope for N.H.I. and Prescribing; exceptionally fine shop, well fitted; house of five rooms, kitchen and bathroom; long, favourable lease; price £1,600; part could remain; banker's or trade references must accompany inquiry; letters only. Field, 57 Wellington Road, Ealing, W.5.

LONDON, E.—Old-established Business for Sale, suitable qualified or unqualified. Has been neglected by managers and taking at present £800 yearly, previous returns more; good scope for personal attention; Kodak Agency; house vacant; lease 16 years; rent and rates £2 weekly; price for quick sale £300, or £25 and valuation of stock and fittings. 82/19, Office of this Paper.

LONDON, S.E. (main road position).—Excellent opportunity for young man just commencing on his own; Cash Retail Business, nicely fitted and stocked with modern lines; returns £20 weekly; good scope for increase; 21 years' lease on lock-up shop at 30s. per week; £50 goodwill and valuation of stock and fixtures; total price about £400. 124/357, Office of this Paper.

LONDON SUBURB (Essex).—Neglected Business (owing to ill-health) in well-known town; returns average £600 a year, with scope to materially increase; 10 years have to run (part let off); offers invited for immediate sale. 83/56, Office of this Paper.

MANCHESTER.—Old-established Chemist's Business; industrial area; main road; corner position; Kodak Agency; present returns, under manager, £1,600 per year; good profits; rent and rates £80 per year; will accept for quick sale £250 fixtures and goodwill, stock at valuation; no agents or triflers, only genuine cash buyers with bankers' references will be entertained. Apply 124/354, Office of this Paper.

NEAR MANCHESTER.—Unopposed Shop in thickly populated district; returns £700; N.H.I.; Kodak Agency; large increase possible; price £500. 83/21, Office of this Paper.

NORTH-EAST COAST TOWN.—Sound Cash Business, good-class district; stock about £300; recently Drug Store under late chemist's widow; average turnover £1,323; easily and cheaply worked; comfortable house; freehold and fixtures £600, stock at valuation, goodwill at reasonable figure. 83/28, Office of this Paper.

N.E. COAST, Seaside Town.—Genuine old-established business; Kodak Agency; excellent house; private entrance; turnover 1927, £2,300; price £1,850. For fullest particulars apply, with banker's reference, to 74/38, Office of this Paper.

PORTSMOUTH.—£300 buys genuine Chemist's Business; owner retiring on account of age; price includes approx. £250 stock and fixtures; valuation if desired. Bowler & Blake, Osborne Road, Southsea.

PORTSMOUTH (main street).—Grand opportunity of purchasing Chemist's Business; cash trade only; thickly populated working-class area; good shop and living accommodation; price £450; s.a.v.; rent £90; long lease. Reason & Tickle, 163 North Street, Brighton.

SCOTLAND (Perthshire).—Chemist's Business; established 1911; no competition; turnover approximately £1,000, with well-fitted and stocked shop and comfortable house attached; good summer trade; scope for increased trade; low price for immediate sale. Apply J. & A. Hastie, S.S.C., 43 York Place, Edinburgh.

SOUTH COAST.—Handsome Pharmacy in very large town; established as Chemist four months ago, taking £30 per week; Kodak Agency; no rent for 14 years lock-up shop and storerooms; two flats attached let to cover nearly all expenses; net profit about 33½; unique opportunity at very low price, £1,350. 82/50, Office of this Paper.

SOUTH-WESTERN COUNTY.—Village Pharmacy; Dispensing, Prescribing and N.H.I.; house and shop; house could be let off; has been neglected owing to ill-health; serious illness now the cause of sale; could be greatly increased by attentive energy; valuation terms only asked. 83/23, Office of this Paper.

SOUTH YORKS (industrial area).—Smart little Pharmacy; turnover, under management, £650, increasing; Kodak Agency; lock-up shop; low rent; main road; satisfactory reason for disposal; genuine buyers only apply; price £350. 81/26, Office of this Paper.

STROOD, KENT.—Easily managed Business; snit elderly man excellently; net profit last year, under management, £390; house and garden; rent £30, or freehold can be purchased at £550; price £475, or near offer. Farrow, Brompton, Cbatbam.

W.R. YORKS.—Good, sound Business for Sale in busy thickly populated industrial district, with very little competition, doing from £26 to £30 per week and fair amount of N.H.I.; established 25 years; fine opening for Optician, nearest two miles away, population 10,000; large premises; rent £65, or could purchase from vendor; stock, fixtures, goodwill, all £900 approximately. Alkalina, 84/30, Office of this Paper.

YORKSHIRE.—Branch Business; returns £1,250 under manager; genuine concern; no side-lines; valuation stock and fixtures about £750; very favourable lease would be granted; fine site, with good living accommodation. 83/22, Office of this Paper.

BUSINESS for Sale on Surrey border, 30 miles from London; turnover last year £960, now averaging £96 per month; rent £40 per annum, rates £10; living accommodation; roomy shop, well stocked and fitted; price £575. 82/26, Office of this Paper.

DRUG Stores, in working-class district; no opposition; good opening for N.H.I.; small living accommodation; taking £18 per week, under management; price £450. Apply "T. A.," 64 New Road, South Lambeth, S.W.8.

LARGE double-fronted Shop, N.W. London; lease 14 years; established 2 years; net rent and rates £70; Kodak Agency; takings first year, £1,000; second year, £1,150; all cash at usual profits; good scope for increase; neglected owing to ill-health, which compels sale; price £100 goodwill; stock and fittings at valuation. 79/32, Office of this Paper.

TWO Businesses for Sale, carrying two most profitable Specialities; reasonable price only asked for a first-class paying investment. Full particulars from "Investment," 81/23, Office of this Paper.

VILLAGE Pharmacy, Dispensing, Photographic and Veterinary; returns over £900; N.H.I. and Kodak Agency; nearest chemist 7 miles; good house and garden; long lease; £45 rent; electric light and water; price £550. 81/13, Office of this Paper.

HOLIDAY EXCHANGE.

HOLIDAY EXCHANGE.—Will Chemist in seaside town, South or South-East Coast, exchange houses with country Chemist near London, North? Large garden, tennis; wireless; garage; overlooking golf links; three weeks August; light supervision business. 82/24, Office of this Paper.

BUSINESSES WANTED.

ADVERTISER desires to purchase Business situated in London or immediate vicinity and having a turnover of at least £5,000 per annum; living accommodation preferred, but not essential; no agents. Preliminary details in strict confidence to 82/51, Office of this Paper.

CHEMIST, at present in business, requires in few months' time good Cash Dispensing and Photographic; turnover not less than £3,500 and with good house attached; Southern or Home Counties preferred, but not essential; must bear every investigation. Replies (in strict confidence) to "H.," 82/40, Office of this Paper.

WANTED, London or near, Retail and Dispensing, doing about £2,000; living accommodation over; or good premises suitable to open as Chemist. In confidence to "D.," 18 Formosa Street, W.9.

PREMISES FOR SALE.

FOR Sale, new Freehold Shop; living accommodation; vacant; main road; growing district. Apply Owner, 103 Longbridge Road, Barking, E.

SHOPS.—Terrace of 20 modern shops; each complete with flat above; will shortly be erected at the junction of North Circular Road and Neasden Lane, N.W.10; will form shopping centre of rapidly developing and eventually closely populated district. Immediate application should be made to Concrete Houses, Ltd., 2 Robert Street, Adelphi, W.C.2, from whom particulars can be obtained.

PREMISES TO LET.

HERNE BAY, KENT.—Excellent opening for Chemist to cater for western development of this progressive coast resort; modern shop in prominent position, main street, with large room at rear, also self-contained flat (rental value £85) above; all at only £125 per annum on lease; no premium. Apply Mackrell & Co., 33 Walbrook, E.C.

BUSINESS Premises to Let, with living accommodation, immediate possession, suitable for adapting to Chemist and Druggist trade; excellent position; main thoroughfare in Salisbury; rent £150. Full particulars from G. Reid, 17 Wilton Road, Salisbury.

LEGAL NOTICE.

Re **HAROLD HARRISON, DECEASED.**

ALL COMPANIES and FIRMS having Claims against the Estate of **HAROLD HARRISON** of Bridge Street and Hilderthorpe Road Bridlington Pharmaceutical Chemist who died on the 16th day of April 1928 are requested to forthwith forward full particulars thereof to me the undersigned the Solicitor for the Administratrix.

Dated this 24th day of April 1928.

ARTHUR J. H. TOWNSEND,
Solicitor, Westminster Bank Chambers,
Bridlington.

AGENCIES.

ITALY.—Swiss-Italian firm, with good connection all over Italy, is open to represent first-class firms Manufacturing Pharmaceutical Chemicals and Specialities; best references. Write direct to G. B. Panzera, 20 Via Ansonio, Milan.

WANTED.—Reliable Wholesale Houses in the Provinces to act as Sole Agents for an advertised commodity. Apply, stating qualifications and territory covered, to 84/25, Office of this Paper.

SITUATIONS OPEN.

RETAIL.

[HOME.]

BATTERSEA.—Qualified Manager for working-class business; progressive and permanent berth for conscientious, experienced and sober man; salary and commission. Clapham.—Lady (Hall Certificate preferred) to manage small branch. Full particulars in first instance to P.C.B. 20/22, Office of this Paper.

BIRMINGHAM.—Exceptional opening for a smart qualified Manager; must be up to date and alive to the needs of a passing trade; good salary and commission to the right man. "B.," 81/21, Office of this Paper.

BIRMINGHAM.—Qualified Manager wanted for branch in working-class district; well experienced. H. Hague, 33d Gooch Street, Birmingham.

CHELMSFORD, ESSEX.—Qualified Manager for branch in main street; Light Retail, Dispensing and Photographic; modern shop; wanted now or in one month's time. Apply, giving full particulars, age, references, salary required, and photo (if possible), to T. Bellamy, Pharmaceutical Chemist, 2 Tindal Square, Chelmsford.

BROCKLEY, S.E.—Evenings, 5.30-8 p.m.; Saturdays, 5.30-9 p.m.; no Thursday. State age and salary to 80/37, Office of this Paper.

KENT.—Qualified lady Assistant required; permanency; applicants must have N.H.I. and Counter experience. Give particulars of experience, also state salary required and when at liberty. 81/213, Office of this Paper.

LONDON.—Qualified Manager, married, required for Light Retail, Dispensing and Photographic business; good opportunity for a really smart, energetic man wishful to make progress. 81/212, Office of this Paper.

LONDON, W.—Qualified lady or gentleman required for Counter, Dispensing and Photographic trade; comfortable berth; usual hours; £3 a week, dinner and tea, and commission. 81/39, Office of this Paper.

LONDON, N.—Unqualified Junior required immediately; comfortable and progressive position. State age, salary required, and when at liberty. "N.," 81/210, Office of this Paper.

LONDON, W.C.1.—Qualified Senior Assistant wanted with first-class Counter and Dispensing experience. A. Maitland & Co., 8 Torrington Place, Gordon Square, W.C.1.

LONDON, S.W.—Junior Assistant or Improver wanted at once. Please state salary required and when disengaged, or call for interview. L. J. Sanderson, 351 Lillie Road, Fulham, S.W.6.

LONDON.—Qualified man (25-30), also an unqualified Junior; high-class modern business experience; smart, of good appearance and address; willing and capable all round; good prospects; permanency; outdoors. Apply, with full particulars, age, height, experience and salary required, Cofman's Pharmacy, 129 Baker Street, W.1.

LONDON, WEST-END.—Wanted, a gentlemanly Assistant for evening work, 8 hours weekly; must have been accustomed to best class businesses; permanency if suitable. 82/14, Office of this Paper.

LONDON SUBURB.—Qualified Manager, good appearance and address, age 35-40, for small family business; must have photographic experience and be able to make an attractive window display; good living accommodation available. 124/355, Office of this Paper.

LONDON, S.E.—Quick and capable unqualified Assistant (outdoors); Photography and N.H.I. Please give full particulars in first letter to 85/16, Office of this Paper.

MIDLANDS.—Qualified Manager wanted for branch, with N.H.I., Photographic and general business, in industrial district; living accommodation over shop free, plus salary. Apply, with age, experience, salary required, giving references and enclosing photo if possible (to be returned) to 82/33, Office of this Paper.

SOUTH COAST.—Assistant wanted to take charge of Optical Department and assist in the Pharmacy; must have Optical, but Pharmacist qualifications not essential. Reply, stating experience, references, salary required, etc., to 83/24, Office of this Paper.

ST. THOMAS'S HOSPITAL, S.E.1.—Qualified Locum (male) wanted for 16 weeks, commencing June 4; salary £4 per week; hours 9 to 5. Apply to Pharmacist.

WEST LONDON HOSPITAL, Hammersmith, W.6.—Required, a qualified Assistant Dispenser (male) from June 11 to October 3 inclusive; one with Hospital experience preferred; salary 4 guineas per week. Apply, stating age and experience, with copies of testimonials, to the Pharmacist.

WORKS (WEST RIDING).—Qualified Manager, married, for good Light Retail and Dispensing (N.H.I.) business, situate near large town; must be a good Counterman and have had experience in Photographics; house attached. "W. R.," 81/211, Office of this Paper.

A QUALIFIED Assistant (lady or gent.) for modern Pharmacy, Photography, with progressive ideas and good personality. Full particulars as to age, height, experience, salary required, and photo (to be returned). Apply C. E. Beveridge, Chemist, 10 Stuart Road, Gillingham, Kent.

ASSISTANT, young, unqualified, gent. or lady, for Dispensing, Stock and Counter. Full particulars in first letter, or interview by appointment. Phone No.: Willesden 4456. Maurice Jones, 204 Church Road, Willesden, N.W.

BOOTS The Chemists have vacancies for experienced, unqualified Assistants. Apply, Boots' Pure Drug Co., Ltd., Station Street, Nottingham.

CHEMIST, with Sight Testing experience, J.C.Q.O., temporary one month; able to take charge of good-class country business; one assistant. Particulars, dates, age, salary (outdoors) and references, Phillips, Chemist, Axminster.

COMPETENT Assistant required immediately, unqualified, for General Family Retail and Dispensing business; enclose recent photograph and full particulars of experience, age and salary required; permanency for right man. J. A. White, Chemist, Shipley, Yorkshire.

DRUGGISTS' SUNDRIES PACKERS.—Forewoman wanted; age about 30; would suit person from Retail trade; good opening and permanent; state wages, experience, and enclose photograph. Raynold, Whitehouse & Co., Ltd., Wholesale Drug Packers, Dudley. Est. 1878.

GENTLEMAN of good address as unqualified Assistant; smart appearance, Counterman and accurate Dispenser essential; usual Photographic knowledge (no D. & P.); fortnight's holiday within six months this year. Full experience, including apprenticeship and salary, to Matthews & Son, 722 High Road, Leytonstone, Essex.

IMPROVER, with good knowledge of D. & P., either sex, till October. State age, salary, references. Apply R. D. Johnstone, Chemist, Brixham.

JUNIOR Assistant required at once; Counter and Windows; good Salesman essential; no dispensing. Hawkinsons, Ltd., 223 Ilford Lane, Ilford, E.

LADY Pharmacist, chiefly Dispensing; permanency; commence early June; occasional Counter work, at which two other ladies are engaged; good-class business in working-class locality; within easy reach London and Epping Forest; fortnight's holiday not later end September next; three Scotch lady pharmacists on staff. 82/52, Office of this Paper.

LADY Dispenser-Book-keeper for Doctor's Surgery; must be reliable. Please send full particulars, age, experience, salary (outdoors), to "Southern," 81/20, Office of this Paper.

LEWIS & BURROWS have a vacancy for young lady Assistant, principally Toilet. Apply 146 Holborn Bars, E.C.

LOCUM, qualified, for position of trust, must be active and reliable, to organise sale for May or longer in busy town. Full details and photo if possible to Wride, Chemist, Winchester.

MANAGER required for S.W. suburban business; married man preferred; living accommodation if required; age between 30 and 40; salary and commission. Apply in first instance by letter, with fullest particulars. Applications not replied to within a week respectfully declined. 82/16, Office of this Paper.

NOW.—Qualified man for old-established unqualified Drug and Contraceptive Stores; only man of pleasing personality, smart appearance, energetic, abstainer, and prepared later to purchase need apply; must understand Photography, and be good Window-dresser; excellent living for ambitious man. Send fullest particulars, age, photo. 81/11, Office of this Paper.

PHARMACIST-OPTICIAN required to manage good-class Dispensing, Photographic, and Optical business on South Coast; must be expert refractionist; registered J.C.Q.O., age 30-40; only those with first-class experience and references need apply; give full particulars in first letter; no reply six days declined with thanks. 76/21, Office of this Paper.

QUALIFIED Chemist (abstainer) for Workop, Notts. Give particulars of experience, salary required, and state when at liberty; no Sunday duty; comfortable situation for suitable applicant; if married, good house available. Apply 79/35, Office of this Paper.

QUALIFIED Manager required for good-class business in country town; age about 35; married; comfortable house with garden available. Write, with full particulars of experience and salary required, to "R.," 124/351, Office of this Paper.

QUALIFIED Assistant, young, lady or gentleman, at once, for about 18 months probably. Applications not answered in 7 days declined with thanks. Full particulars to W. H. Lenton, Pharmaceutical Chemist, Hnnstanton.

QUALIFIED Branch Manager; one seeking permanency. State usual particulars to Charley Dean, 26 Market Street, Bury.

QUALIFIED Dispenser, refined, well educated, required for model high-class Dispensary; must be neat, quick, accurate worker; permanency. Apply, with photograph and references, stating age, experience and salary required, Galloways, Chemists, Birmingham.

QUALIFIED Assistant wanted for country business, to take charge of Drug Department; good-class general trade and N.H.I. Dispensing. Please give full particulars of age, experience and salary expected. J. Marlar & Son, Ltd., Chemists and Wine Merchants, Halstead, Essex.

QUALIFIED lady or gentleman (young) for branch; suit one recently qualified. Particulars of experience, age, and when disengaged. 6/8 Lewisham Road, Lewisham.

QUALIFIED Chemist wanted at once for old-established country business. State age, salary and full particulars, with references, to 83/26, Office of this Paper.

REQUIRED, for May 7, qualified Assistant; good Dispensing experience essential. Apply, by letter only, "The Manager," Savory & Moore, Ltd., 29 Chapel Street, London, S.W.1.

SMART, experienced Assistant; good Salesman and Dispenser. State age, height and salary required, with references. Frank Parcell, Dispensing and Photographic Chemist, Strand Street, Douglas, Isle of Man.

SMART and energetic male Assistant, experienced in Dispensing and Counter; good references essential; interview. Venables, 211 King Street, Hammersmith.

UNQUALIFIED Assistant wanted for good-class business; must be accurate Dispenser and capable at Counter. Please give full particulars of previous experience, age, height, and salary required; references. T. W. Fields, Chemist, Beverley.

UNQUALIFIED Assistant (outdoor), with knowledge of Photography. State age, height, salary required (with photo) to Hinchin & Son, Burnham-on-Sea, Somerset.

WANTED, unqualified Assistant (male); Dispensing and Counter; Walthamstow district. Apply William Fox & Sons, Ltd., 109-113 Bethnal Green Road, E.2. (10 minutes Liverpool Street Station.)

WANTED, shortly (outdoor), experienced Assistant; one used to good-class Retail and Dispensing; usual hours and no Sunday duty. Write first to H. Lyon, 18 Formosa Street, W.9.

YOUNG qualified Chemist wanted; good Window-dresser; knowledge of Photography; state salary required. Harris, Ltd., 133 Clifton Street, Cardiff.

WHOLESALE.

REPRESENTATIVES, with good connections amongst Chemists, required by manufacturers of Camera Cases, who have competitive lines in various leathers and canvas, for Scotland, North England, Lancs and Yorks, Wales and Ireland. Apply 124/350, Office of this Paper.

SALESMAN - REPRESENTATIVE.—Old-established firm, desiring considerable expansion, has an opening for a smart Special Representative to cover London, Southern Counties, Midlands and West of England; duties, to appoint sole agents, revive old and open new accounts, and to put life into trade generally; goods, attractively packed series already known but needing much smarter introduction than hitherto; show splendid profit; excellent opportunity for man who can, not merely travel, but sell goods; salary, expenses, commission; car provided. Apply 124/358, Office of this Paper.

TOILET SPECIALITIES.—Representative required for Wales; the goods are well known on the territory, and a lucrative opportunity awaits a really first-class, experienced salesman who knows the ground well and has unimpeachable credentials. Applicants should submit full particulars of past experience, sales records, terms asked, etc., in first letter to County Chemical Co., Ltd., Birmingham.

TRAVELLER, experienced with good connection, wanted to cover English counties for well-known Scotch House of Manufacturing Chemists and Wholesale Druggists; must have good connection with Chemists, Doctors and Vets. Apply, giving copies of references, stating age and salary required, 124/349, Office of this Paper.

TRAVELLER wanted by London Manufacturing House; salary and commission; large connection; every encouragement given to right man to increase turnover and income. Post full particulars, with photo if possible, to 82/7, Office of this Paper. Also Traveller for Northern and Eastern Counties of England.

WANTED, an experienced Representative to call on Doctors and Chemists in South Lancashire, Yorkshire, Potteries, etc., with Specialities, Drugs and Packed lines; applicants must have a connection and show good selling records, able to drive car; liberal terms offered to the gentleman who can obtain orders. Apply, with full particulars, age, references, etc., to 83/11, Office of this Paper.

(COLONIAL, INDIAN AND FOREIGN.)

FAR EAST.—Pharmacist, age about 28, wanted for Far East as Travelling Representative for a London firm of Manufacturing Chemists; previous travelling experience not essential; candidates must possess sound business training, be of temperate habits, and possess good health. Apply, stating age, previous experience, salary required, etc., to 124/356, Office of this Paper.

FOR CEYLON.—Young man (single) wanted for Drug Department in large stores in Ceylon, with experience as Dispenser and holding Minor Certificate; good Counter experience; 4 years' agreement and prospects for suitable man. Apply in first instance, giving particulars as to age, present and past employment, and experience, to "Ceylon," c/o Deacon's, Fenchurch Avenue, London, E.C.3.

NAIROBI.—Howse & McGeorge, Ltd., require the services of a qualified male Assistant, prepared to sail early in June, age 25-30, with good all-round experience and knowledge of Photography; 4 years' agreement; second class passage paid out; salary £30, £30, £37 10s. and £40 per month for the first, second, third and fourth years respectively. Reply, with copies of references and photograph, to "Zebra," 84 Fenchurch Street, E.C.3.

WEST AFRICA.—An English Company have a vacancy on their staff for an unmarried Assistant with the qualification of the Pharmaceutical Society of Great Britain; salary £350 per annum, servant allowance; free quarters; first class passage out and home; four months' leave after 18 months, full pay on leave; appointment made by directors in this country; expenses paid for interview when required. Applications, in writing only, giving age, experience, references and photograph, to the Secretary, West African Drug Co., Ltd., 40 Hanover Street, Liverpool.

SITUATIONS WANTED.

RETAIL. [HOME.]

2s. for 19 words or less; 6d. for every additional 10 words or less, prepaid.

A.A.A.—LOCUM or permanency; qualified; Scot; 24; 18 months' West-End, London, Dispensing and Counter experience; knowledge of Agricultural trade. Apply 83/34, Office of this Paper.

A.A.A.—ASSISTANT; 24; unqualified; capable and trustworthy; single; Dispensing, Counter, Windows, Retail Photographics; London and provincial experience; excellent references. Will applicants please state salary offered? 84/2, Office of this Paper.

A.A.A.—EXPERIENCED Assistant, abstainer, married, disengaged, desires post, right-hand man; moderate salary; London, provinces. "Aspirin," 24 Clifton Hill, Brighton.

A CAPABLE, qualified man; fully experienced, active and competent; permanency or Locum; disengaged. "Chemist," 85 Lancaster Road, Leytonstone, E.11.

A CONSCIENTIOUS, highly recommended Senior or Manager shortly requires berth; accustomed to high-class Dispensing, Photo, Optics, etc.; Home Counties or South; courteous and obliging; unqualified. Further particulars, "Stability," 82/20, Office of this Paper.

A CTIVE; Manager or Locum; thoroughly experienced Dispenser and Counterman; moderate salary; qualified. "Chemicus," 34 Kingscote Road, Addiscombe, Croydon.

A DVERTISER, tall, well educated, 8 years' good Retail experience, London and provinces, excellent references, seeks post as Representative. 78/15, Office of this Paper.

A S Manager or Locum; Drug Stores preferred; effective Prescriber; personality; Salesman and keen business-builder; experienced; City, West End and good, fast Counter trade "G.," 150 Scott-Ellis Gardens, N.W.8.

A S Dispenser to Chemist or Doctor; 37; whole or part time; well recommended; moderate salary. "Dispenser," 176 Junction Road, N.19.

A S a Locum, experienced Chemist; 48; highest references. "Chemist," 81-83 Arthur Road, Wimbledon Park, S.W.19.

A SSISTANT; referred Pharmacy only; 21; good appearance; 6 years' experience; energetic; Counter, Dispensing and Photographic; references furnished; Lancashire preferred. Apply A. Grundy, 59 Wadour Street, Atherton, near Manchester.

A SSISTANT (lady); 5 years' experience; referred Part II; London preferred; Chemist or Doctor. Jones, 17 Bellingham Road, Catford.

A SSISTANT, 22, Part I, desires part-time post, 3 months, commencing May; South London district preferred; Dispensing and Counter; excellent references. Holmes, 23 New Road, Driffield, East Yorkshire.

A SSISTANT; 22; unqualified; tall and good appearance; excellent knowledge Counter, Dispensing and Photography, Window-dressing; good references; at liberty beginning of May. O/o A. Yeates & Sons, Chemists, Stourbridge.

A SSISTANT, aged 21, requires position; London district; 5½ years' experience, Dispensing, Counter and Photographic; well recommended. 80/23, Office of this Paper.

A SSISTANT; experienced Dispenser, Counter, Salesman; single; mid-aged; unqualified; active and reliable. "Aspirin," 265 Newark Road, Bracebridge, Lincoln.

A SSISTANT, age 21, unqualified, desires position; Dispensing, Photography, Window-dressing, etc. Young, 53 Wellington Street, Peterborough.

A SSISTANT; unqualified; temporary or permanent; good Dispensing, Photographic, and Counter experience. "J. R. E.," 4 Oxford Street, Woodstock, Oxford.

A SSISTANT; thoroughly experienced; Dispensing, Counter, Photography, Prescribing; energetic; good reference; unqualified. "K.," 62 Blenheim Road, East Ham, E.6.

A SSISTANT, referred Pharmacy, requires post anywhere; part-time preferred; used to quick Counter and Dispensing trade. "L. G. C.," "Trevellas," Withcombe Raleigh, Exmouth.

A SSISTANT or Manageress; unqualified; 28; 10 years' experience, Counter, Dispensing, Photography; keen Saleswoman; energetic and trustworthy; London. 81/40, Office of this Paper.

A SSISTANT; 23; tall; Part I; accustomed to fast Counter (high-class Toilets and Photography) and big Dispensing business; excellent references; town or seaside. "W.," 16 Homecroft Road, Sydenham, S.E.26.

A SSISTANT; experienced; capable of management; unqualified; temporary or permanent; good references. P.C.B. 20/17, Office of this Paper.

A SSISTANT; 23; eight years Dispensing, Photographic and Counter experience; season, temporary or permanent. A. Amies, 20 Marmora Road, E. Dulwich, S.E.22.

A SSISTANT; 22; referred subject, Part II; accurate Dispenser; six years' experience; excellent references; quick Counter trade; smart, obliging; relief, season or permanent. Watson, 15 Granville Road, Harrogate.

A SSISTANT, 24, referred Pharmacy, desires season engagement; five years good all-round experience. V. Kennedy, 10 Manchester Road, Southport.

A SSISTANT; unqualified; 21; 5½ years' experience town and country; accustomed to quick Retail, Private and N.H.I. Dispensing, Photographics, Window-dressing; disengaged May 7. "Williams," 46 Helly Road, Handsworth, Birmingham.

A SSISTANT, 24, unqualified, well up Photographics (D. & P. and full workroom experience), Counter, Dispensing, Window-dressing, desires berth, part time, or where opportunity for some study (referred Botany, April Exam.), seaside season considered. Mason, 86 Louis Street, Chapeltown, Leeds.

A SSISTANT or Locum; unqualified; age 23; tall; excellent experience; Counter and Photography; references. "L. S. M.," 10 Orb Street, S.E.17.

A SSISTANT; 6 years' experience; age 22; passed Part I; good Dispenser, Counter, Window-dressing, Photography; London or Home Counties. Temperton, 101 St. Mark's Road, Enfield.

A SSISTANT; 32; married; unqualified; reliable and energetic; good Counter experience; excellent references; disengaged. "W.," 17 Mansfield Road, Heanor, Notts.

A SSISTANT, 24, referred Materia Medica, 5½ years' all-round experience, requires post. Morgan, 25 Tregothnan Road, Stockwell, S.W.9.

A SSISTANT (Senior); excellent Prescriber; experienced Dispenser; knowledge of Photography; unqualified; London or suburbs preferred; good references; disengaged. 84/1, Office of this Paper.

A T liberty; Chemist, registered; experienced man; Locum or part-time; moderate salary. "Pharmacist," 13 Disraeli Road, W.5.

B RINGTON and District.—Whole, part-time, Locum; disengaged May 2; local references. Collier, 31 Buckingham Place, Brighton.

C APABLE Manager or Senior Assistant, M.P.S., desires situation, any part Lancashire or Yorkshire; temporary or permanent; young; single; good experience. State terms and particulars. 83/25, Office of this Paper.

C OMPETENT Assistant or Dispenser; permanent or temporary; Dispensing, Counter, Windows, Prescribing; unregistered; trustworthy. "Stalim," 40 Trigon Road, S.W.8.

D ISPENSER.—Qualified young lady requires post; town or country; also able to drive car and keep books. Heppell, Rose Villa, Thorp Road, Weeley, Clacton-on-Sea.

D ISPENSER (woman); qualified; experienced; books, Panel. "K. P. L.," c/o Carson, Queen's Chambers, Tothill Street, S.W.1.

D OCTOR'S daughter, 22 (Hall qualification), desires post, Doctor, Hospital or Chemist; part time essential; excellent testimonials; 2 years' Hospital experience. "Hopeful," Flat 2, 117 Adelaide Road, Chalk Farm.

E XPERIENCED lady Dispenser-Book-keeper (Hall) desires post with Doctor in Sheffield or district near; good references. 80/17, Office of this Paper.

J UNIOR; young; 3½ years' apprenticeship; Counter and Dispensing; capable; energetic; preferably North. 81/35, Office of this Paper.

J UNIOR Assistant requires situation; good all-round experience, Dispensing, Counter, Stock, Window-dressing, N.H.I.; large town preferred. 84/27, Office of this Paper.

L ADY; qualified; disengaged shortly; Devon, Plymouth preferred; Dispensing and Retail experience. Miss S. Greenwood, c/o Post Office, Plymouth.

L ADY Assistant; good experience; Counter, D.P., Stock, Window-dressing; temporary, permanent. Davis, 2 Sheen Gate Mansions, E. Sheen, S.W.14.

L ADY Dispenser (Hall) requires post in or near London; six years' Dispensing experience; now disengaged. Fraser, 16 Deauville Court, Clapham Park, London.

L ADY Dispenser (Hall Certificate) desires post; Doctor, Chemist or Institution, or Locum; free at once. "Kerri," Andover, Hants.

L ADY, age 22, desires post with Chemist or Doctor; good Dispenser and Counter-hand; all-round experience. 83/7, Office of this Paper.

L ADY Dispenser-Book-keeper (Hall), with Hospital and Surgery experience, seeks post with Doctor, Chemist or Institution; tall; matriculation. 84/26, Office of this Paper.

L OCUM.—Only vacant dates, May 28 to June 9, July 8 to 23. "Chemicus," 239 Camberwell New Road, S.E.5.

L OCUM.—Abstainer; disengaged; capable; anywhere; booking dates; moderate terms; Whitsuntide free; best references. Carte, The Pharmacy, Rodley, Leeds.

OCUM or part time.—Swiss qualified Pharmacist, with wide Continental and English experience, wishes position in high-class London Pharmacy; fluent French, German, Italian; salary secondary consideration. Apply P.C.B. 20/18, Office of this Paper.

OCUM Tenens, M.P.S., D.B.O.A., F.I.O., J.C.Q.O.; late owner; first-class, all-round experience; reliable; booking, as Manager. "H.," Springfield, Alsager.

OCUM.—An experienced Pharmacist offers his services as Locum or Manager; booked from July 9-August 11. 53 Airedale Avenue, Chiswick, W.4.

OCUM; qualified; free May 21; Midlands preferred; no travelling expenses; registered R.P.U. Lucas, Sturton-by-Stow, Lincoln.

OCUM; qualified; experienced; complete charge. "Chemist," 32 Fairmount Road, Brixton Hill, S.W.2.

OCUM; qualified; disengaged May or after July 21; experienced; good references. F. R. Smith, 34 Welbeck Avenue, Southampton.

OCUM, with excellent references, open for immediate dates or season; abstainer; unqualified. "R.," 131 Mount View Road, N.4.

OCUM.—M. Smith, 96 Humberside Drive, Leicester; over 30 years' qualified experience; limited number dates open; moderate terms; excellent credentials; reliable services; all-grades experience.

OCUM; qualified; disengaged; registered R.P.U.; all-round experience; good Dispenser. "M.P.S.," 156 Lower Road, Clapton, E.5.

OCUM; qualified; experienced; good Salesman; anywhere; best references; now free. 80 Brookbank Road, Lewisham, S.E.

OCUM; qualified; disengaged last fortnight May, first fortnight July, four weeks August and September. Jones, Barnham Pharmacy, Barnham, Sussex.

MANAGER; qualified; practical knowledge; complete charge; London preferred; highest references; free. 82/22, Office of this Paper.

MANAGER, 28, desires similar position with view to early succession; genuine inquiries only, please. 84/32, Office of this Paper.

MANAGER, qualified, 25 years' first-class experience, desires permanency with good prospects; excellent references. "H. F.," 83/50, Office of this Paper.

MAY and June engagements now being booked by qualified; reliable; total abstainer. "B.," 71 Sunbury Road, Anfield, Liverpool.

M.P.S.: 45; Locum or Manager; disengaged; experienced all branches; excellent references. "B. P.," 27 Houerie Road, Harrow, Middlesex.

M.P.S.: 30; 5 ft. 8 in.; smart; reliable; energetic; good all-round experience; good references; free May 12; permanency or Locum. S. Girgis, 161 Camden Road, London, N.W.1.

PERMANENT situation required now by a capable, unqualified Assistant; age 42; undeniable references; held a recent four years; thoroughly experienced in all the departments of the Retail trade, and I have up-to-date business methods; quick and accurate Dispenser. "Energetic," 67/25, Office of this Paper.

PHARMACIST, with energy and ability, desires change; South or West England; reason, wife's health; a gentleman capable of managing several shops; long experience; good salary required. 80/34, Office of this Paper.

PHARMACIST-OPTICIAN, married, F.I.O.O., abstainer; expert all branches; progressive; 30 years' experience; quick, accurate Dispenser, clever Prescriber, expert Window-dresser, keen buyer; capable commanding staff; 15 years' management good-class Counter trade; living accommodation consideration; excellent references. 76/24, Office of this Paper.

QUALIFIED; 22; tall; 5 years' high-class Dispensing, Veterinary, Agricultural and Wholesale experience. R. Nottingham, "Bedern," Weedon Road, Northampton.

QUALIFIED Manager, Senior or Locum; 33; married; 17 years' experience, Photographic, Dispensing and Family; good Prescriber; disengaged May 7. Dudeney, 33 Chingford Mount Road, E.4.

QUALIFIED Manager, all-round experience in Manchester, London and Paris, etc., desires situation in Manchester, Oldham or Huddersfield districts; reference to present employer. 80/24, Office of this Paper.

QUALIFIED, 23, disengaged, desires Locum for 2 or 3 months. Brierley, Draycott, Derby.

QUALIFIED (24), disengaged, desires situation; good Dispensing and Counter experience. C. O'Brien, 49 Hawley Road, N.W.1.

QUALIFIED, 24, energetic, and with good experience, desires position; London or suburbs; disengaged 30th; Assistant or Manager. Maudling, 85a Golders Green Road, N.W.11.

QUALIFIED; good Window-dresser; Manager or Locum; Dental and Photographic experience; disengaged. "Pharma," Fernside, Stanstead Road, Bishops Stortford, Essex.

Price lists, trade circulars, samples, and printed matter can in no case be forwarded, the Box numbers being intended exclusively for specific answers to particular advertisements. The Publisher reserves the right to open and refuse to forward any communications received which he may consider contrary to this rule.

QUALIFIED Assistant, age 27 years, seeks post in Liverpool or Wallasey (home town) as Manager or Senior Assistant; London and provincial experience; first-class references. 84/16, Office of this Paper.

QUALIFIED desires position as Assistant or Manager; good Counter and Dispensing experience; Kingston or district preferred; no Sunday duty. 84/9, Office of this Paper.

QUALIFIED Manager, 37, desires post in or near City; London experience; single. 84/4, Office of this Paper.

QUALIFIED Assistant or Manager; best experience; Dispensing and N.H.I. work, Counter and Photography; Locum work or permanency; now at liberty; moderate salary. 83/1, Office of this Paper.

QUALIFIED; 22; good experience; Dispensing, Counter and Photographic; locum or permanency. 83/50, Office of this Paper.

QUALIFIED; first-class experience; locum or season post; references. "T. R.," 83/5, Office of this Paper.

RELIEF.—Experienced Dispenser, Salesman, good knowledge Photography; evenings from six; Sunday if required. 'Phone: Brixton 2925. Irwin-Carter, 358 Brixton Road, S.W.

REFERRED Pharmacy desires position as Assistant; fully experienced; 24; height 5 ft. 10 in.; Liverpool district preferred. 83/19, Office of this Paper.

SOUTH DEVON.—Season, permanency; all-round; unqualified; 23; West-End experience; first-class Salesman; excellent Dispenser. Alford, 164 Duke's Avenue, N.10.

UNQUALIFIED Assistant; 28; capable of taking charge; varied experience in all branches. "H. L.," 25 Winterwell Road, Brixton Hill, S.W.2.

UNQUALIFIED; tall; single; disengaged; 23 years' good all-round experience, including Photographics; good references. Harris, 24 Link Road, Edgbaston, Birmingham.

UNQUALIFIED; married; 20 years' experience; 6½ years and 8 years last two; references; disengaged; permanency desired. Stevens, 46 Maybury Gardens, Willesden Green.

WELL recommended. — Counterman, Dispenser, Window-dresser, Truss Fitter, Prescriber; 10 years present berth. "Unqualified," 51 Norlington Road, E.11.

YOUNG, unqualified, desires position where all-round experience, including D. & P.; everything Photographic would be appreciated. 84/29, Office of this Paper.

WHOLESALE.

A YOUNG man, qualified, and keen to earn advancement, seeks permanency with a reputable Wholesale Firm; any capacity; 7½ years' Retail experience. 80/26, Office of this Paper.

APPOINTMENT as Traveller for Manufacturing or Wholesale House desired, United Kingdom or Ireland; road and Retail experience; drives care; disengaged. "Zingib," 708 Fox Hollies Road, Hall Green, Birmingham.

CHEMIST, who has successfully pioneered an Infants' Food, would like to communicate with firm who require services of one experienced in propaganda work amongst Doctors, Chemists and Institutions. "Qualified," 81/27, Office of this Paper.

MAJOR, experienced in Manufacture highest class Tablets, Pastilles, etc., and modern office methods, desires position with good firm in Lancashire or Yorkshire. 80/240, Office of this Paper.

MAN requires situation; all-round experience; packing not objected to. "G. C.," 11 Nelson Square, Blackfriars, S.E.1.

PHARMACIST, good, varied experience in Retail, Hospital and Doctor's work, offers services as Representative or other outdoor position; own car. Please apply 74/34, Office of this Paper.

REPRESENTATIVE of leading house, calling on all provincial Chemists, is open to carry other lines to the same people; own car; commission only. P.C.B. 19/39, Office of this Paper.

CLEAR OUT—your Old or Damaged Stock of Photo Goods.*Why keep them any longer? Turn them into CASH.*

I GIVE BEST PRICES for Old Films (damaged, fogged or expired dates); Packet Papers. Cards (any sizes). Old Photo Goods or Cameras. Bromide Papers. Plates (all sizes, all makes). Send any goods in the photo line. I buy all, good or bad. Cash per return. A good price for all Cameras. Send them along.

S. E. HACKETT, 23 July Rd., Liverpool

SALESMAN-REPRESENTATIVE, 32, married, with London connection, 12 years' experience (Packed Specialities, Proprieties, Drugs), knowledge of Propaganda work, desires representative known house; car knowledge; resident London. "Urgent," 84/35, Office of this Paper.

SCOT, 35, good knowledge of the Drug trade, is desirous of representing firm in Scotland. Replies in first instance to 80/19, Office of this Paper.

TRAVELLER, good connection, desires one or two advertised lines, commission and part expenses, or would represent known firm; can drive car; Wholesale and Retail experience. BM/DCH3, London, W.1.

WAREHOUSEMAN, Stock-keeper, Wet or Dry Counterman; 14 years' practical experience; age 32; disengaged. "S., 54 Doynton Street, Highgate.

WELL-KNOWN Malt and Oil Traveller, highly respected and good connection, desires similar position with a house of repute for either Lancashire, Yorkshire, Midlands or Wales. 83/10, Office of this Paper.

(COLONIAL, INDIAN AND FOREIGN.)

FRANCE.—Pharmacist requires permanent or season engagement; 2½ years' Continental experience; accurate Dispenser; knowledge French and French Pharmacy; Photography; disengaged. Apply, stating salary, 83/4, Office of this Paper.

FOR SALE.

FOR Sale, Dental Chair, metal with plush seat and arm fittings, as Morrison's; also Lathe and nickel-plated Spittoon; also Enlarger with R.R. lens and 8-in. Condenser, Easel and all necessary fittings; best offer accepted. W. J. Jones, 82 The Quay, Waterford.

CHEMIST wishes to dispose of all his Optical things, almost new, full size Trial Case, Chart, Spectacle Frames, etc., £12, including Books. Trial case alone cost £25; seen London. Apply 81/390, Office of this Paper.

FOR Sale, Refractometer, Polarimeter, Fine Balance, two Storage Tanks. 35 Elliot Road, London, N.W.4.

OWING to disposal of lease, entire stock and fixtures, in good condition, of a West London Chemist business. 66/20, Office of this Paper.

MISCELLANEOUS.

MCADAM & TUCKNISS, Stocks and Share Brokers and Dealers, Westminster Bank Chambers, Blackheath, London, S.E.3. Established 1898. Telephone: Lee Green 0081. Shares for sale free of commission (subject):—500 British Drug, 20s. 9d.; 1,500 Beechams 8% Prefd., 20s. 6d.; 200 Brit. Celanese Ord., 92s. 3d.; 500 Brit. Metallising, 3s. 3d.; 500 Imperial Chemical Defd., 15s. 7½d.; 750 Low Temperature Carbonisation 2s. shares, 3s. 9d.; 400 Photomat, 16s. 9d.; 200 Wright Layman Pfs., 20s. 1½d. Wanted (subject):—500 Lewis & Burrows Ord., 23s. 6d.; Allenburys; Wright Layman.

CONSULTING Chemist and Perfumer, with wide experience, is open to undertake work in an advisory capacity for firms requiring assistance in the Analysis, Matching and Manufacture of Toilet Specialities, Soaps and Perfumery. 124/352, Office of this Paper.

RADIUM REFINERS.

WILLIAM DEMPSTER & SON, LTD., Loch Lomond Radium Works, Balloch, Dumbartonshire, are purchasers of Ores, Concentrates, Old Applicators, Residues, etc.

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 219 Old Street, London, E.C.1.

£65.—SECOND-HAND Set of Mahogany Fixtures, comprising 10-ft. Drug Run, 6-ft. glass-fronted Counter, 6-ft. Chemist's Screen, 6-ft. Wall Showcase, Perfume Case and Desk, Check Till, 3-ft. bent Front Counter Case, Shop Rounds. FARLEY'S, 227 Old Street, London, E.C.1.

£87 10s. for set of Mahogany Fittings, consisting of 10 ft. Drug Run, fitted 30 glass knobbed and labelled drawers, 10 ft. glass-fronted Counter, 8 ft. Wallcase, 6 ft. Dispensing Screen, 3 ft. Counter Case, Perfumery Showcase and Desk, Cash Till; would separate. Illustrated list on request. E. BERG, LTD., 336 Old Street, E.C.1.

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45 Fulham Road, South Kensington, S.W.3

TRAVELLERS wanted to write for post free copy of "The Commercial Traveller," containing School of Salesmanship exposures. N.U.C.T. membership is open to all bona fide Commercial Travellers; benefits include Accident Insurance, Sickness, and Unemployment Benefit and Employment Bureau.

THE NATIONAL UNION OF COMMERCIAL TRAVELLERS, 42 Blackfriars Road, S.E.1.

SHOPFITTINGS.—Modern set, in mahogany and complete; 10 ft. Drug Fitting, consisting of drawers, lockers and cupboards, with shelving and showcases above; 12 ft. glass-fronted Counter; 4 ft. Wall Case; Perfume Case and Desk; 6 ft. bent plate glass Counter Case; 6 ft. Dispensing Screen; 5 ft. Dispensers' Fixture; Counter Drawers; Cash Till; ready for use, £120. **PHILIP JOSEPHS & SONS, LTD.**, 90/92 St. John Street, Clerkenwell, London, E.C.1. "Pharmacy fitters for over a century."

£110.—SET OF MAHOGANY FITTINGS: 6 ft. Dispensing Screen, mirror centre and showcases, with counter and shelves at back; 6 ft. Wall Case in two heights; 12 ft. Drug Fitting with showcase over; 10 ft. Counter with glass cases in front; Perfume Case and Desk; plate-glass Counter Case; two nests of Counter Drawers; Check Till. Sketches and particulars free on application. **PERCY R. E. JOSEPHS**, 68 Old Street, and 125 Lever Street, London, E.C.1. 'Phone: Clerkenwell 0929 (5 lines).

EXCHANGE COLUMN.**FOR DISPOSAL.**

6 x 5s. **HAIR'S ASTHMA CURE**, 12 x 15 gr. tubes Johnson's Chloride of Gold. Wanted, Flat Counter Case, 4 ft., cheap set of Drug Drawers. 124/353, Office of this Paper.

RARE OPPORTUNITY.—Gray's "Supplement to the Pharmacopoeia" (Redwood, 1847); excellent condition; first offer near 20s. accepted. 83/8, Office of this Paper.

WANTED.

C. & D. DIARY, 1925, any condition. Stratton, 48 Sherrington Road, Ipswich.

THE CHEMIST AND DRUGGIST, March 10, 1917. "F. M. P." Office of this Paper.

GOWER, Chemists' Bookseller, 41 Voltaire Road, Clapham, wants Pharmaceutical Books, including Pharmaceutical Formulas, B.P.C. P.J.F., Optical Books.

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In Glass tubes each
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Retail 3d. per tube

MINIMUM PROFIT to the Retailer 100%

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In 1	Gross Lots	18/-
" 3	" "	17/6
" 5	" "	17/-
" 10	" "	16/-

SAMPLE FREE ON
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